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Ohio Labor Market Information

Labor Market Review

January 1989

Summary. Ohio's seasonally adjusted unemployment rate rose from 5.5 percent in December 1988 to 6.1 percent in January 1989. The U.S. rate increased slightly, from 5.3 percent to 5.4 percent. Total employment in Ohio reached a new high of 5,094,000, up 34,000 from December. There were 37,000 more jobless Ohioans in January, raising total unemployment to 332,000. Nonagricultural wage and salary employment, at 4,766,000, was up 33,000 from December. (See page 3.)

Factory Employment. Manufacturing employment in Ohio advanced 11,000 from December, to 1,123,000 in January. Durable-goods employment rose 8,000 to 757,000, while employment in nondurable-goods industries totaled 365,000, up 4,000 over the month.

Nonmanufacturing. Nonmanufacturing employment in Ohio rose 22,000 from December, to 3,643,000 in January. Gains in retail trade (+8,000), construction (+7,000), and services (+5,000) accounted for most of the improvement. Other nonmanufacturing industries were virtually unchanged from December.

Over the Year. The unemployment rate in Ohio fell from 6.4 percent in January 1988 to 6.1 percent in January 1989. The national rate also dropped over the period, from 5.8 percent to 5.4 percent. Total employment in Ohio increased 113,000 from January 1988, while the number of unemployed declined 11,000. Nonagricultural payroll employment rose 129,000 over the year. The largest increases were in services (+45,000) and retail trade (+32,000). Gains in durable and nondurable goods raised manufacturing employment 19,000 from January 1988. Greatest increases were reported in nonelectrical machinery, primary metal industries, and fabricated metal products. Construction added 15,000 jobs, while wholesale trade employment went up 9,000. All other divisions had small increases except mining, which fell 1,000.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $528.69 per week in January, down $5.67 from December. Their average workweek of 43.3 hours was .5 hours shorter. With the exception of refrigeration and service machinery, most industries had lower earnings due to less overtime. The most notable declines were in motor vehicles and equipment, general industrial machinery, commercial printing, and metal forgings and stampings.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 78,656 in January, up 7.8 percent from December, but down 10.5 percent from January 1988. The average weekly benefit check increased $1.33, to $158.55. Total benefits paid, at $57.2 million, were up 19.6 percent. The average weekly number of benefit recipients

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

rose 30.8 percent from December, to 90,229. At the end of January, there were 201,677 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 41,943 new job applicants in January, up 32.5 percent from December, and up 3.3 percent from January 1988. Openings received from employers rose 61.3 percent from December, to 11,070. The Employment Services Division made 20,202 job referrals, with 4,344 placements.

1989 Seasonal Adjustment Factors

	Manufacturing Durable Goods	Manufacturing Nondurable Goods	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, and Real Estate	Services	Government
January	0.992	0.990	0.990	0.853	0.978	0.990	0.979	0.990	0.974	1.002
February	0.992	0.988	0.967	0.825	0.977	0.989	0.965	0.989	0.978	1.017
March	0.996	0.989	0.966	0.867	0.981	0.992	0.970	0.991	0.985	1.024
April	1.000	0.992	0.977	0.941	0.992	0.997	0.987	0.994	1.000	1.020
May	1.002	0.996	0.987	1.006	1.001	1.002	1.002	0.999	1.009	1.026
June	1.006	1.003	1.007	1.049	1.008	1.008	1.007	1.008	1.016	1.001
July	0.999	1.002	1.020	1.094	1.008	1.006	1.006	1.012	1.013	0.941
August	0.998	1.009	1.014	1.107	1.009	1.003	1.009	1.011	1.011	0.929
September	1.003	1.015	1.018	1.100	1.012	1.001	1.009	1.004	1.013	0.989
October	1.003	1.008	1.022	1.101	1.013	1.006	1.009	1.001	1.007	1.013
November	1.006	1.005	1.021	1.059	1.011	1.003	1.021	1.000	1.000	1.022
December	1.004	1.003	1.012	0.999	1.010	1.003	1.036	1.000	0.994	1.024

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1989	Dec. 1988	Jan. 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data							
Civilian Labor Force	5,426	5,355	5,324	71	102	1.3	1.9
Employment	5,094	5,060	4,981	34	113	0.7	2.3
Unemployment	332	295	343	37	-11	12.5	-3.2
Unemployment Rate	6.1	5.5	6.4				
Employer Survey Data							
Total	4,766	4,733	4,637	33	129	0.7	2.8
Manufacturing	1,123	1,111	1,104	11	19	1.0	1.7
Durable Goods	757	750	744	8	13	1.0	1.7
Nondurable Goods	365	362	360	4	6	1.0	1.6
Nonmanufacturing	3,643	3,622	3,533	22	111	0.6	3.1
Mining	19	19	20	0	-1	-2.5	-4.0
Construction	195	188	181	7	15	3.8	8.1
Transportation and Public Utilities	213	213	210	0	3	0.0	1.6
Wholesale Trade	259	258	251	1	9	0.4	3.4
Retail Trade	897	889	865	8	32	0.9	3.7
Finance, Insurance and Real Estate	253	252	247	0	6	0.1	2.2
Services	1,113	1,108	1,068	5	45	0.5	4.2
Government	694	693	691	0	3	0.0	0.4
Goods Producing Industries[f]	1,337	1,319	1,305	18	32	1.4	2.5
Service Producing Industries[g]	3,429	3,414	3,332	15	97	0.4	2.9

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1987
5,261	4,837	424	8.1	6.7	January
5,282	4,837	445	8.4	6.6	February
5,220	4,837	383	7.3	6.5	March
5,237	4,856	381	7.3	6.3	April
5,290	4,897	393	7.4	6.3	May
5,261	4,885	376	7.1	6.1	June
5,272	4,895	377	7.2	6.0	July
5,242	4,877	365	7.0	6.0	August
5,213	4,921	292	5.6	5.9	September
5,231	4,910	321	6.1	6.0	October
5,270	4,946	324	6.1	5.9	November
5,279	4,949	330	6.3	5.8	December
					1988
5,324	4,981	343	6.4	5.8	January
5,355	5,014	341	6.4	5.7	February
5,369	4,974	395	7.4	5.6	March
5,301	4,970	331	6.2	5.5	April
5,284	4,960	324	6.1	5.6	May
5,306	4,994	312	5.9	5.4	June
5,294	5,004	290	5.5	5.4	July
5,329	5,028	301	5.6	5.6	August
5,311	5,004	307	5.8	5.4	September
5,349	5,049	300	5.6	5.3	October
5,366	5,059	307	5.7	5.4	November
5,355	5,060	295	5.5	5.3	December
					1989
5,426	5,094	332	6.1	5.4	January

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

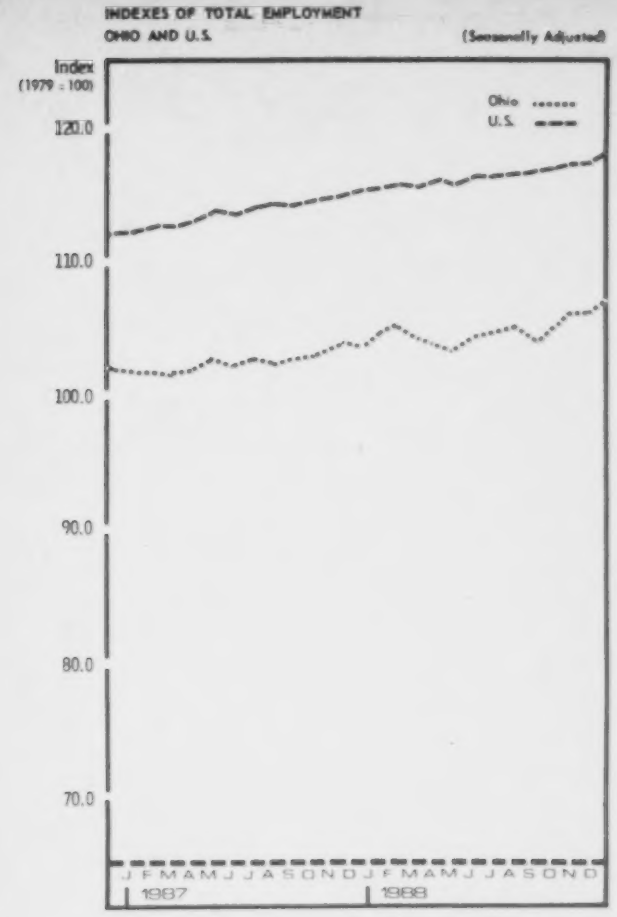
Total Nonagricultural	Manufacturing		
		Durable	Nondurable
			1987
4,535	1,096	740	356
4,551	1,099	742	357
4,549	1,094	737	357
4,552	1,096	739	357
4,563	1,096	738	358
4,568	1,093	736	357
4,576	1,091	732	359
4,588	1,098	739	359
4,596	1,101	743	358
4,617	1,105	745	360
4,631	1,106	746	360
4,650	1,110	748	362
			1988
4,637	1,104	744	360
4,644	1,103	743	359
4,653	1,097	737	360
4,656	1,101	742	360
4,661	1,100	742	359
4,671	1,102	742	360
4,676	1,101	742	359
4,680	1,100	741	358
4,691	1,103	743	359
4,704	1,105	746	360
4,721	1,110	750	361
4,733	1,111	750	362
			1989
4,766	1,123	757	365

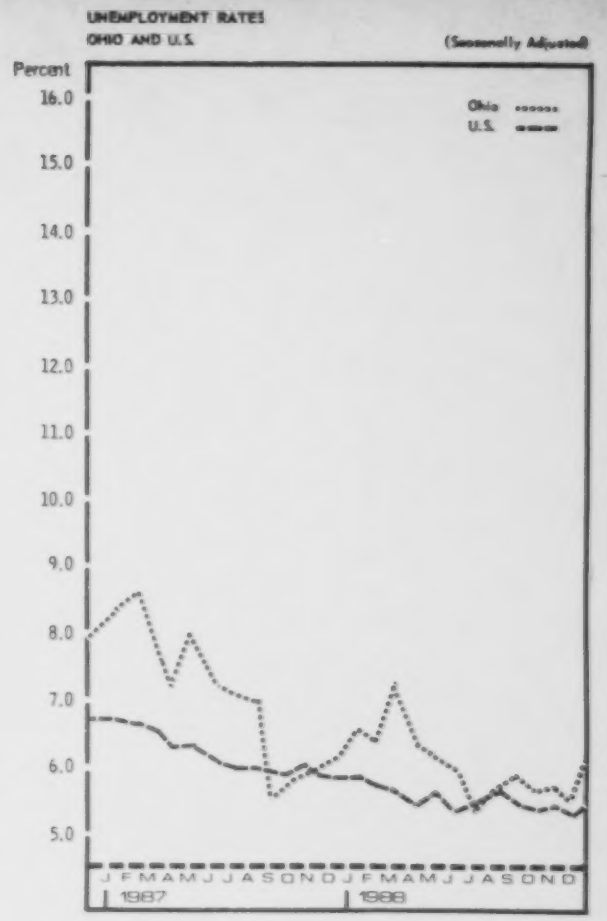
Ohio Nonmanufacturing Wage & Salary Employment

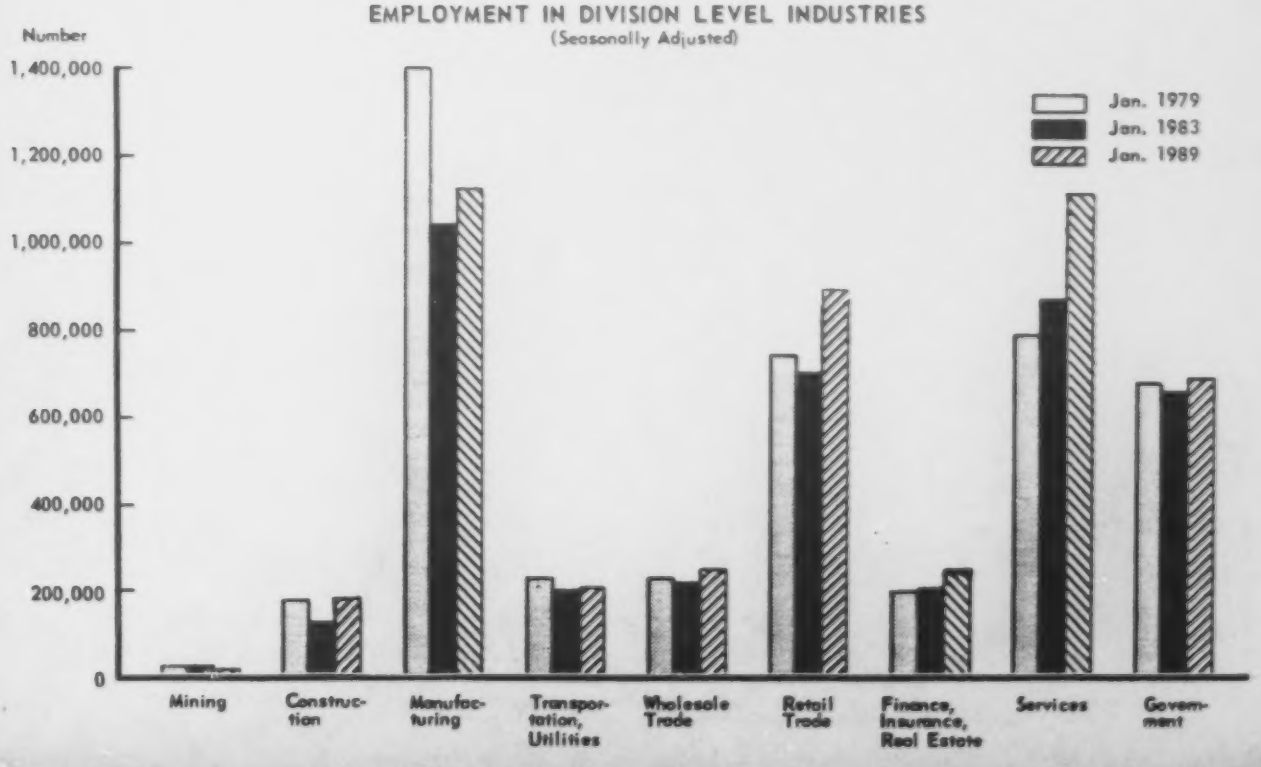
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1987				
3,439	22	173	206	245	January	836	239	1030	688
3,452	22	174	206	246	February	842	240	1036	686
3,455	21	174	206	246	March	844	241	1037	686
3,456	21	173	206	246	April	841	242	1040	687
3,467	21	174	207	247	May	844	243	1043	688
3,475	21	176	207	247	June	845	244	1048	688
3,484	20	178	209	248	July	847	244	1053	685
3,490	21	176	209	248	August	849	245	1055	687
3,495	21	177	209	249	September	850	246	1059	685
3,512	21	178	209	251	October	856	247	1062	688
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
					1988				
3,533	20	181	210	251	January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	20	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	20	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	20	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
					1989				
3,643	19	195	213	259	January	897	253	1113	694

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 = 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
J F M A M J J A S O N D J F M A M J J A S O N D
1987
1988


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
J F M A M J J A S O N D J F M A M J J A S O N D
1987
1988


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Jan. 1979
Jan. 1983
Jan. 1989
Mining
Construction
Manufacturing
Transportation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,254	4,887	367	7.0	6.2	1987
5,328	5,008	320	6.0	5.5	1988
					1988
5,275	4,899	376	7.1	6.3	January
5,298	4,923	376	7.1	6.2	February
5,316	4,898	418	7.9	5.9	March
5,281	4,964	317	6.0	5.3	April
5,269	4,966	303	5.8	5.4	May
5,353	5,028	325	6.1	5.5	June
5,366	5,093	274	5.1	5.5	July
5,376	5,076	301	5.6	5.4	August
5,287	4,985	302	5.7	5.2	September
5,365	5,087	278	5.2	5.0	October
5,400	5,113	287	5.3	5.2	November
5,352	5,066	286	5.4	5.0	December
					1989
5,384	5,015	369	6.9	6.0	January

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing		
		Durable	Nondurable
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,582.6	1,098.9	740.4	358.4	1987
4,683.0	1,103.1	743.6	359.6	1988
				1988
4,546.1	1,094.7	738.5	356.2	January
4,549.1	1,092.3	737.2	355.1	February
4,586.2	1,089.6	733.9	355.8	March
4,642.7	1,098.5	741.8	356.7	April
4,692.3	1,100.5	743.2	357.3	May
4,715.4	1,107.6	746.9	360.7	June
4,678.8	1,100.8	741.5	359.4	July
4,679.1	1,102.1	740.5	361.6	August
4,731.7	1,110.5	745.6	364.9	September
4,757.7	1,110.3	747.8	362.5	October
4,834.7	1,115.7	753.3	362.3	November
4,781.8	1,115.1	752.5	362.6	December
				1989
4,671.4	1,113.0	751.3	361.8	January

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	1987	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.6	211.5	254.3	1988	876.5	249.8	1,087.8	696.8
					1988				
3,451.4	19.4	154.1	205.3	248.2	January	847.1	244.6	1,040.6	692.2
3,456.8	18.9	150.4	205.2	248.3	February	837.6	244.8	1,049.4	702.1
3,496.6	18.8	159.8	206.6	249.8	March	845.7	246.1	1,061.5	708.3
3,544.3	19.1	172.1	209.4	251.6	April	859.6	247.5	1,079.8	705.2
3,591.8	19.2	182.8	211.5	253.5	May	873.2	249.0	1,092.8	709.9
3,607.8	19.6	191.2	213.1	255.8	June	879.7	251.4	1,104.1	692.9
3,578.0	19.8	199.5	213.4	256.1	July	881.1	252.8	1,103.1	652.2
3,577.0	19.8	202.5	213.9	256.3	August	886.2	253.3	1,104.7	640.3
3,621.2	19.8	202.0	214.8	256.5	September	888.2	251.8	1,109.8	678.3
3,647.4	19.8	203.0	215.0	258.4	October	891.8	252.1	1,105.1	702.2
3,719.0	19.7	197.4	214.7	258.5	November	906.0	252.1	1,102.1	768.5
3,666.6	19.5	188.0	215.3	259.1	December	921.4	252.4	1,101.0	710.0
					1989				
3,558.3	18.6	166.7	208.5	256.7	January	878.6	250.0	1,084.1	695.1

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Manufacturing				**Production Workers in Manufacturing**		
	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,098.9	740.4	358.4	1987	751.4	375.5	32.0
1,103.1	743.6	359.6	1988	759.1	391.7	32.6
			1988			
1,094.7	738.5	356.2	January	752.1	381.8	32.2
1,092.3	737.2	355.1	February	750.7	377.5	31.8
1,089.6	733.9	355.8	March	747.6	380.2	31.9
1,098.5	741.8	356.7	April	755.3	390.4	32.5
1,100.5	743.2	357.3	May	757.3	391.1	32.6
1,107.6	746.9	360.7	June	762.4	397.8	33.0
1,100.8	741.5	359.4	July	754.9	379.4	31.9
1,102.1	740.5	361.6	August	756.7	382.1	32.1
1,110.5	745.6	364.9	September	765.9	399.6	33.2
1,110.3	747.8	362.5	October	765.5	400.4	33.1
1,115.7	753.3	362.3	November	771.1	410.1	33.7
1,115.1	752.5	362.6	December	770.1	411.5	33.7
			1989			
1,113.0	751.3	361.8	January	767.3	405.7	33.2

Production Workers Average Weekly Earnings

Manufacturing				**Production Workers Average Weekly Hours**				**Production Workers Average Hourly Earnings**			
	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods	
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73	
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25	
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96	
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86	
516.00	538.59	465.47	1988	43.0	43.4	42.2	1988	12.00	12.41	11.03	
			1988				1988				
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98	
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92	
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97	
516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04	
516.43	540.27	460.90	May	43.0	43.5	41.9	May	12.01	12.42	11.00	
521.77	547.87	464.62	June	43.3	43.9	42.2	June	12.05	12.48	11.01	
502.52	521.85	461.47	July	42.3	42.6	41.8	July	11.88	12.25	11.04	
504.98	525.21	460.22	August	42.4	42.7	41.8	August	11.91	12.30	11.01	
521.77	545.38	469.63	September	43.3	43.7	42.5	September	12.05	12.48	11.05	
523.06	546.69	467.84	October	43.3	43.7	42.3	October	12.08	12.51	11.06	
531.83	557.80	472.43	November	43.7	44.2	42.6	November	12.17	12.62	11.09	
534.36	557.80	479.62	December	43.8	44.2	42.9	December	12.20	12.62	11.18	
			1989				1989				
528.69	553.58	472.36	January	43.3	43.9	42.1	January	12.21	12.61	11.22	

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

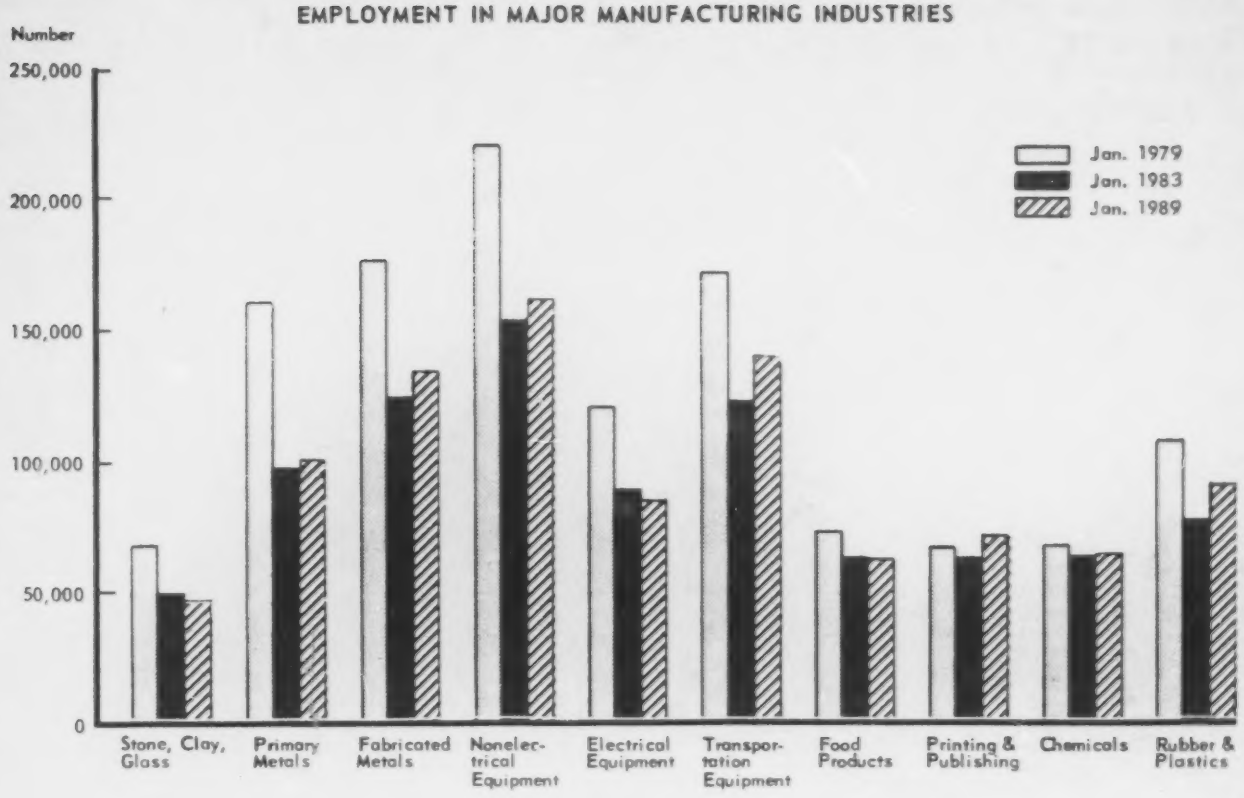
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
46.1	98.0	131.5	January	156.4	86.4	146.2	January	61.1	71.6	90.0
46.3	98.7	131.7	February	155.9	86.2	144.5	February	60.5	71.4	90.1
46.9	99.3	132.4	March	156.8	86.1	137.8	March	60.9	71.3	90.1
47.6	99.1	133.0	April	157.7	86.0	143.4	April	61.0	71.0	90.7
48.0	100.0	133.5	May	157.1	86.3	142.7	May	61.3	70.7	90.7
48.7	100.3	134.5	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.2	101.4	134.8	January	163.1	86.5	141.3	January	62.8	72.0	91.5

Average Weekly Earnings of Production Workers

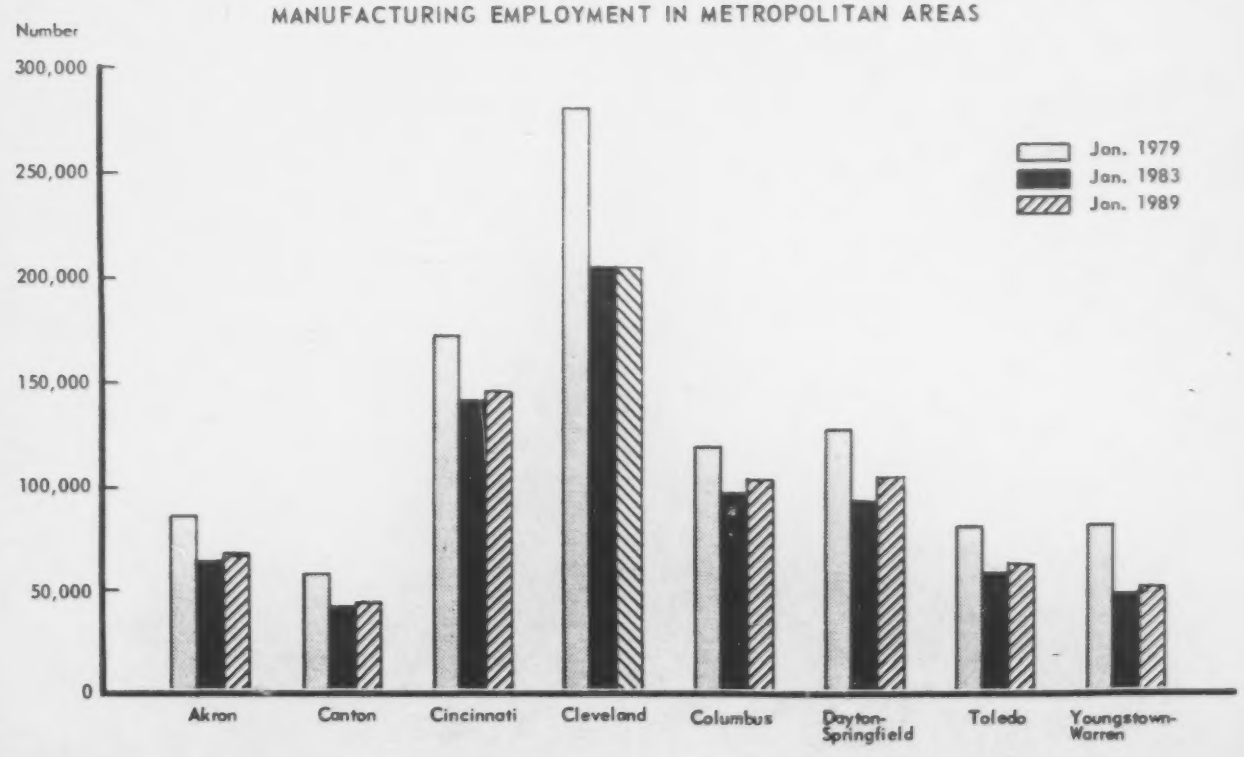
$274.81	$366.24	$307.23	1978	$306.16	$268.45	$389.66	1978	$281.15	$285.18	$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
464.53	632.30	524.27	January	547.69	486.21	706.16	January	441.08	445.04	463.22

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	4671.4	4781.8	4546.1	- 110.4	125.3
MANUFACTURING	1113.0	1115.1	1094.7	- 2.1	18.4
Durable Goods[e]	751.3	752.5	738.5	- 1.3	12.8
Lumber and wood products	22.7	23.1	20.3	- .4	2.5
Furniture and fixtures	15.1	15.0	14.9	.0	.1
Stone, clay, and glass products	47.2	47.8	46.1	- .6	1.1
Glass and glassware, pressed or blown.	8.7	8.7	8.6	.0	.0
Primary metal industries	101.4	102.0	98.0	- .6	3.3
Blast furnace and basic steel products	45.6	46.0	45.3	- .5	.2
Iron and steel foundries	20.4	20.4	19.3	.0	1.1
Nonferrous rolling and drawing	17.9	18.1	16.8	- .2	1.1
Fabricated metal products	134.8	134.8	131.5	.1	3.3
Cutlery, hand tools, and hardware	10.1	10.2	10.1	- .1	.1
Fabricated structural metal products	28.5	28.5	28.8	.0	- .4
Metal forgings and stampings	41.9	41.7	39.9	.3	2.0
Machinery, except electrical	163.1	162.7	156.4	.3	6.7
Construction and related machinery	13.6	13.5	13.4	.1	.2
Metalworking machinery	42.4	42.3	41.0	.1	1.5
Special industry machinery	18.4	18.3	16.8	.0	1.6
General industrial machinery	28.9	28.6	27.9	.2	1.0
Office and computing machines	12.4	12.5	13.1	- .1	- .7
Refrigeration and service machinery	16.5	16.4	15.9	.1	.6
Electric and electronic equipment	86.5	86.8	86.4	- .3	.1
Electrical industrial apparatus	17.6	17.4	16.5	.2	1.1
Household appliances	16.1	16.3	15.8	- .1	.3
Electric lighting and wiring equipment	17.3	17.5	17.1	- .2	.2
Communication equipment	9.1	9.2	9.5	- .1	- .4
Transportation equipment	141.3	140.9	146.2	.4	- 4.9
Motor vehicles and equipment	96.1	94.9	95.8	1.2	.3
Aircraft and parts	36.5	37.4	41.5	- .9	- 4.9
Instruments and related products	24.4	24.6	24.3	- .2	.1
Measuring and controlling devices	13.4	13.4	13.6	- .1	- .2
Nondurable Goods[f]	361.8	362.6	356.2	- .8	5.6
Food and kindred products	62.8	63.4	61.1	- .6	1.8
Meat products	8.7	8.9	8.8	- .1	- .1
Dairy products	9.5	9.6	9.4	- .1	.1
Preserved fruits and vegetables	12.2	11.9	11.1	.3	1.1
Bakery products	9.4	9.6	9.1	- .2	.4
Beverages	8.9	9.1	9.1	- .2	- .1
Apparel and other textile products	15.6	16.0	15.1	- .4	.5
Paper and allied products	37.7	37.5	37.1	.2	.6
Misc. converted paper products	12.3	12.2	11.8	.1	.5
Paperboard containers and boxes	13.3	13.2	13.1	.1	.2
Printing and publishing	72.0	72.3	71.6	- .3	.4
Newspapers	19.0	19.0	18.8	.0	.2
Commercial printing	28.1	28.4	27.7	- .3	.4
Chemicals and allied products	65.0	64.4	63.9	.6	1.1
Industrial inorganic chemicals	9.0	8.6	9.2	.4	- .2
Rubber and misc. plastics products	91.5	91.5	90.0	.1	1.6
Tires and inner tubes	14.5	14.5	14.5	.0	- .1
Miscellaneous plastics products	56.7	56.6	55.4	.1	1.3

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
NONMANUFACTURING	3558.3	3666.6	3451.4	- 108.3	106.9
MINING	18.6	19.5	19.4	- .9	- .8
Bituminous coal and lignite mining	7.7	7.8	8.2	- .1	- .4
Oil and gas extraction	6.8	6.9	7.1	- .1	- .3
CONSTRUCTION	166.7	188.0	154.1	- 21.3	12.7
General building contractors	44.1	48.6	41.5	- 4.5	2.6
Heavy construction contractors	16.8	22.0	15.9	- 5.2	.9
Highway and street construction	4.6	7.6	4.6	- 3.1	.0
Special trade contractors	105.8	117.4	96.6	- 11.6	9.2
TRANSPORTATION AND PUBLIC UTILITIES	208.5	215.3	205.3	- 6.8	3.2
Railroad transportation	12.7	13.2	12.9	- .5	- .3
Transportation, except railroads	108.5	114.3	104.2	- 5.8	4.2
Trucking and warehousing	73.7	78.5	72.0	- 4.8	1.7
Communication, electric, gas services	87.4	87.9	88.1	- .5	- .8
Communication	45.7	46.1	46.8	- .4	- 1.1
Electric, gas, and sanitary services	41.7	41.8	41.4	- .1	.3
WHOLESALE TRADE	256.7	259.1	248.2	- 2.4	8.5
Wholesale trade-durable goods	162.6	163.9	157.5	- 1.3	5.0
Motor vehicles & automotive equipment	22.9	22.6	22.2	.3	.6
Electrical goods	18.4	18.5	18.4	- .2	- .1
Machinery, equipment, and supplies	69.6	69.9	67.5	- .4	2.1
Wholesale trade-nondurable goods	94.1	95.3	90.6	- 1.2	3.5
Groceries and related products	30.1	30.6	29.1	- .5	1.0
RETAIL TRADE	878.6	921.4	847.1	- 42.8	31.4
General merchandise stores	124.2	136.5	123.0	- 12.3	1.3
Department stores	106.5	117.4	106.4	- 10.9	.1
Food stores	142.6	147.1	135.6	- 4.5	7.0
Automotive dealers & service stations	95.4	96.2	92.2	- .8	3.2
Apparel and accessory stores	46.4	50.0	43.5	- 3.6	2.8
Eating and drinking places	289.5	302.5	283.1	- 13.0	6.5
FINANCE, INSURANCE, AND REAL ESTATE	250.0	252.4	244.6	- 2.4	5.4
Banking	64.0	64.2	62.9	- .2	1.0
Credit agencies other than banks	38.0	38.1	37.9	- .1	.1
Insurance carriers	70.1	70.5	69.2	- .4	.9
Life insurance	25.9	26.1	25.7	- .2	.2
Fire, marine, and casualty insurance	31.0	31.2	30.6	- .2	.4
SERVICES	1084.1	1101.0	1040.6	- 16.9	43.5
Hotels and other lodging places	34.7	35.9	33.4	- 1.1	1.3
Personal services	58.9	57.5	56.5	1.4	2.4
Laundry, cleaning, & garment services	18.7	19.2	18.2	- .5	.6
Business services	226.1	230.3	210.2	- 4.2	15.9
Services to buildings	31.6	32.3	29.8	- .7	1.8
Computer and data processing services	22.7	22.4	21.0	.3	1.7
Amusement and recreation services	27.6	32.5	28.5	- 4.9	- .9
Health services	374.7	376.3	364.8	- 1.6	9.9
Nursing and personal care facilities	82.2	82.9	79.9	- .7	2.3
Hospitals	184.2	183.8	181.1	.4	3.1
Educational services	64.7	66.6	62.2	- 1.9	2.5
Colleges and universities	35.5	37.1	33.6	- 1.6	1.9
GOVERNMENT	695.1	710.0	692.2	- 14.9	2.9
Federal government	95.0	95.7	94.3	- .7	.7
State government	158.3	165.4	154.2	- 7.1	4.1
State government education[1]	84.2	91.6	80.2	- 7.3	4.1
State government, except education	74.1	73.8	74.0	.2	.0
Local government	441.8	448.9	443.6	- 7.1	- 1.9
Local government education	258.2	264.8	262.3	- 6.6	- 4.1
Local government, except education	183.5	184.1	181.3	- .6	2.2

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$528.69	$534.36	$507.61	43.3	43.8	42.8	$12.21	$12.20	$11.86
Durable Goods[e]	553.58	557.80	527.11	43.9	44.2	43.1	12.61	12.62	12.23
Lumber and wood products	320.33	319.09	284.26	40.6	40.7	39.1	7.89	7.84	7.27
Furniture and fixtures	368.40	384.56	359.04	40.0	41.8	40.8	9.21	9.20	8.80
Stone, clay, and glass products	464.53	463.01	448.56	42.5	42.4	42.0	10.93	10.92	10.68
Glass and glassware, pressed or blown.	477.17	469.40	471.06	41.1	40.5	40.4	11.61	11.59	11.66
Primary metal industries	632.30	636.55	614.21	45.1	45.5	44.8	14.02	13.99	13.71
Blast furnace and basic steel products	638.32	643.58	641.17	44.7	45.1	45.7	14.28	14.27	14.03
Iron and steel foundries	693.72	705.43	653.90	47.0	47.6	45.6	14.76	14.82	14.34
Nonferrous rolling and drawing	662.02	653.83	608.16	43.1	43.1	42.0	15.36	15.17	14.48
Fabricated metal products	524.27	531.73	506.11	43.4	43.8	43.0	12.08	12.14	11.77
Cutlery, hand tools, and hardware	508.68	520.42	475.57	40.5	41.6	40.2	12.56	12.51	11.83
Fabricated structural metal products	460.74	462.58	470.67	42.0	42.4	43.3	10.97	10.91	10.87
Metal forgings and stampings	646.70	659.13	605.66	44.6	44.9	43.2	14.50	14.68	14.02
Machinery, except electrical	547.69	549.70	507.17	44.6	44.8	43.2	12.28	12.27	11.74
Construction and related machinery	430.09	432.48	424.51	41.0	40.8	41.7	10.49	10.60	10.18
Metalworking machinery	526.32	534.28	497.74	45.1	45.9	43.7	11.67	11.64	11.39
Special industry machinery	519.30	526.44	497.48	45.0	45.5	43.6	11.54	11.57	11.41
General industrial machinery	571.06	597.76	521.66	44.2	45.7	42.9	12.92	13.08	12.16
Office and computing machines	461.89	470.90	426.70	41.8	42.5	42.5	11.05	11.08	10.04
Refrigeration and service machinery	623.13	587.42	569.01	44.1	42.2	42.4	14.13	13.92	13.42
Electric and electronic equipment	486.21	484.65	480.80	42.8	42.7	42.7	11.36	11.35	11.26
Electrical industrial apparatus	506.02	502.85	487.53	44.9	44.5	44.2	11.27	11.30	11.03
Household appliances	507.03	500.58	512.73	41.8	41.2	42.2	12.13	12.15	12.15
Electric lighting and wiring equipment	502.90	499.38	487.49	42.8	42.5	42.8	11.75	11.75	11.39
Communication equipment	479.14	485.85	480.87	40.4	41.0	41.1	11.86	11.85	11.70
Transportation equipment	706.16	721.82	649.28	45.5	46.3	43.9	15.52	15.59	14.79
Motor vehicles and equipment	733.94	758.78	667.51	45.9	47.1	43.8	15.99	16.11	15.24
Aircraft and parts	650.20	633.09	626.95	45.5	44.9	45.3	14.29	14.10	13.84
Instruments and related products	376.48	381.30	361.03	40.7	41.0	39.5	9.25	9.30	9.14
Measuring and controlling devices	367.35	378.68	353.66	39.5	40.5	38.4	9.30	9.35	9.21
Nondurable Goods[f]	472.36	479.62	464.45	42.1	42.9	42.3	11.22	11.18	10.98
Food and kindred products	441.08	456.89	450.93	41.3	42.7	42.5	10.68	10.70	10.61
Meat products	352.72	380.84	386.98	39.9	42.6	41.7	8.84	8.94	9.28
Dairy produtcs	450.71	464.38	476.10	42.4	43.4	43.4	10.63	10.70	10.97
Preserved fruits and vegetables	435.30	488.78	444.64	42.2	42.8	41.4	11.50	11.42	10.74
Bakery products	463.34	472.03	475.51	39.2	39.7	40.4	11.82	11.89	11.77
Beverages	410.97	429.72	430.32	39.9	41.2	41.1	10.30	10.43	10.47
Apparel and other textile products	309.25	310.13	299.51	39.8	40.7	39.1	7.77	7.62	7.66
Paper and allied products	510.96	517.34	499.97	44.9	45.5	44.6	11.38	11.37	11.21
Misc. converted paper products	446.86	446.66	444.28	44.2	44.4	43.6	10.11	10.06	10.19
Paperboard containers and boxes	460.13	452.32	442.10	44.5	44.0	43.6	10.34	10.28	10.14
Printing and publishing	445.04	463.65	434.17	38.8	40.6	38.8	11.47	11.42	11.19
Newspapers	379.28	394.24	358.70	34.2	35.2	34.0	11.09	11.20	10.55
Commercial printing	441.69	467.50	435.51	39.9	42.5	39.7	11.07	11.00	10.97
Chemicals and allied products	568.76	571.43	551.68	42.7	42.9	42.7	13.32	13.32	12.92
Industrial inorganic chemicals	588.32	597.76	597.04	43.1	43.6	43.9	13.65	13.71	13.60
Rubber and misc. plastics products	463.22	459.72	448.59	43.7	43.7	43.3	10.60	10.52	10.36
Tires and inner tubes	682.42	679.21	687.74	45.8	45.8	47.3	14.90	14.83	14.54
Miscellaneous plastics products	451.86	449.83	426.57	43.7	43.8	42.7	10.34	10.27	9.99

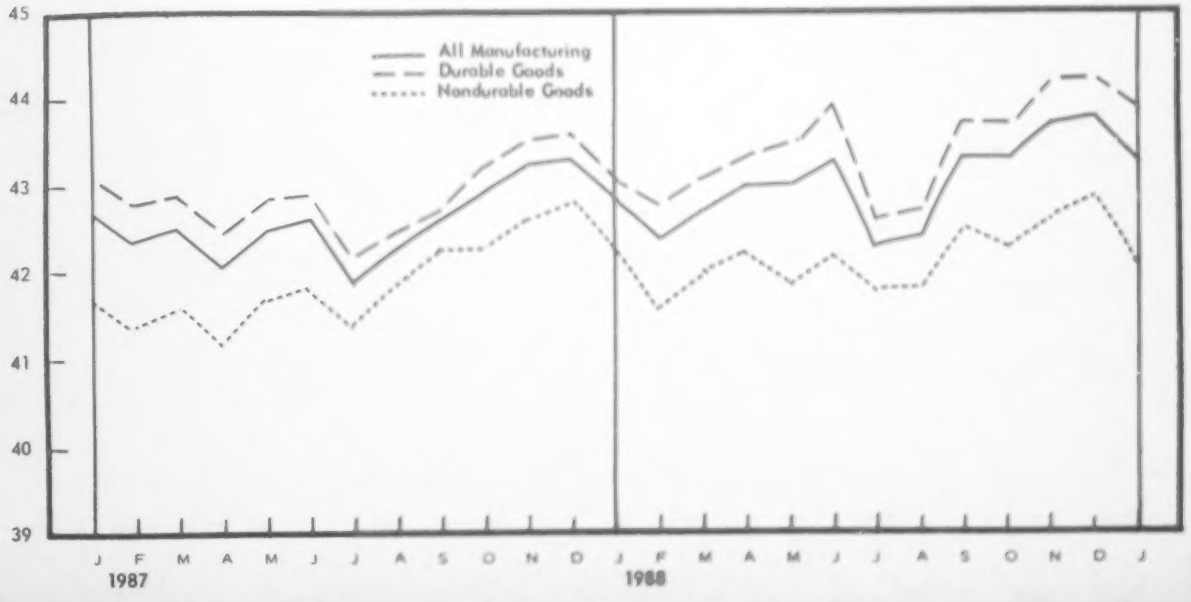
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

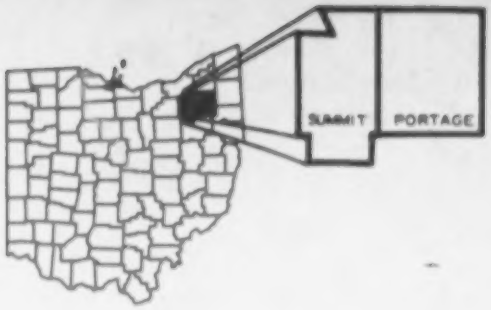
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MINING	$562.47	$547.41	$557.66	43.3	42.7	44.4	$12.99	$12.82	$12.56
Bituminous coal and lignite mining	691.22	672.08	689.22	42.8	41.9	44.9	16.15	16.04	15.35
CONSTRUCTION	578.35	589.72	555.74	38.2	38.9	37.0	15.14	15.16	15.02
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	568.62	568.58	559.63	40.5	40.7	40.7	14.04	13.97	13.75
Communication	539.75	543.20	535.71	39.6	40.0	39.8	13.63	13.58	13.46
Electric, gas, and sanitary services	602.78	598.02	587.14	41.6	41.5	41.7	14.49	14.41	14.08
WHOLESALE TRADE	398.82	400.07	382.40	39.1	39.3	39.1	10.20	10.18	9.78
Wholesale trade-durable goods	388.65	391.43	377.28	39.1	39.3	39.3	9.94	9.96	9.60
Wholesale trade-nondurable goods	414.57	414.62	390.10	39.0	39.3	38.7	10.63	10.55	10.08
RETAIL TRADE[h]	170.46	174.64	161.24	28.6	29.4	27.8	5.96	5.94	5.80
General merchandise stores	182.41	195.63	171.44	29.0	31.3	27.3	6.29	6.25	6.28
Department stores	187.46	201.61	175.91	29.2	31.6	27.4	6.42	6.38	6.42
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	273.80	268.05	264.30	....	....	....	.....	.....	.....
Credit agencies other than banks	274.42	275.14	258.86	....	....	....	.....	.....	.....
Insurance carriers	387.09	383.22	361.50	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	348.65	341.45	337.95	33.3	32.8	33.1	10.47	10.41	10.21

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



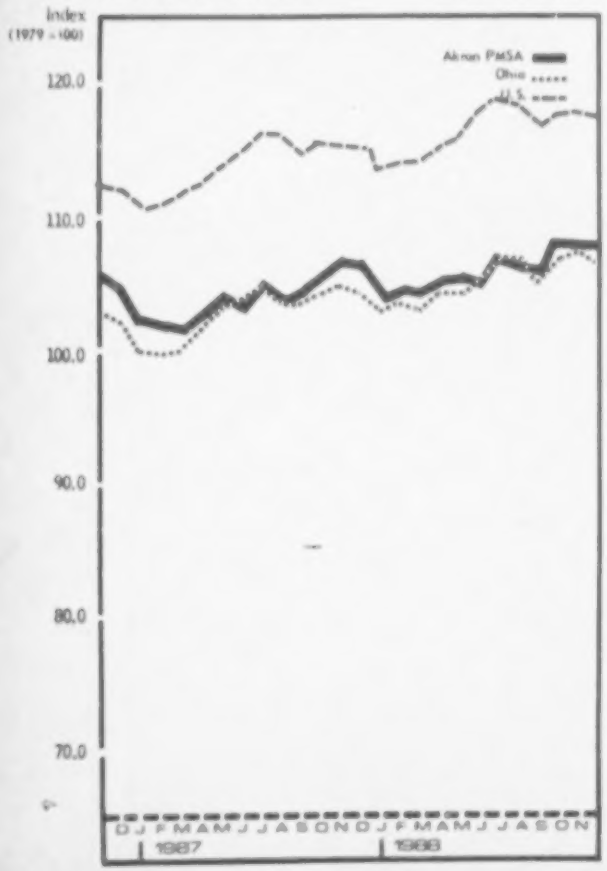
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



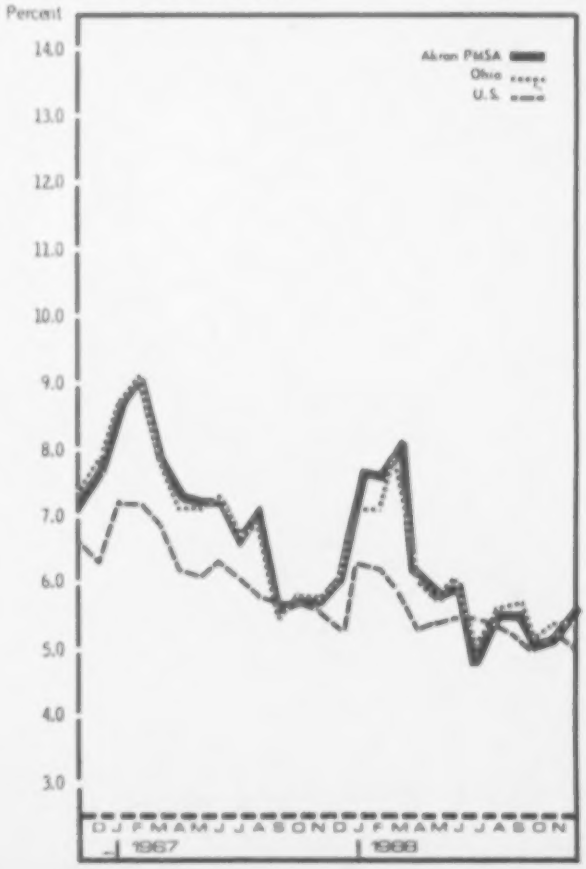
In the Akron metropolitan area, nonfarm payroll employment totaled 270,300 in January 1989, down 9,400 from December 1988. The loss was concentrated in the nonmanufacturing sector due to seasonal reductions in nonteaching personnel in state colleges, seasonal declines in retail trade and construction, and a labor-management dispute in local schools. Manufacturing employment increased 400 to 67,000. Slight employment increases occurred in nonelectrical machinery and miscellaneous plastics products. Factory production workers averaged $11.52 per hour, up $.08 from December. Their average workweek was unchanged over the month at 43.1 hours.

Nonagricultural wage and salary employment advanced 10,200 between January 1988 and January 1989. Notable expansion occurred in services and retail trade. The manufacturing workforce increased 2,000 over the year. Improvements were registered in nonelectrical machinery, fabricated metal products, and miscellaneous plastics products, while employment in chemicals and allied products declined.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



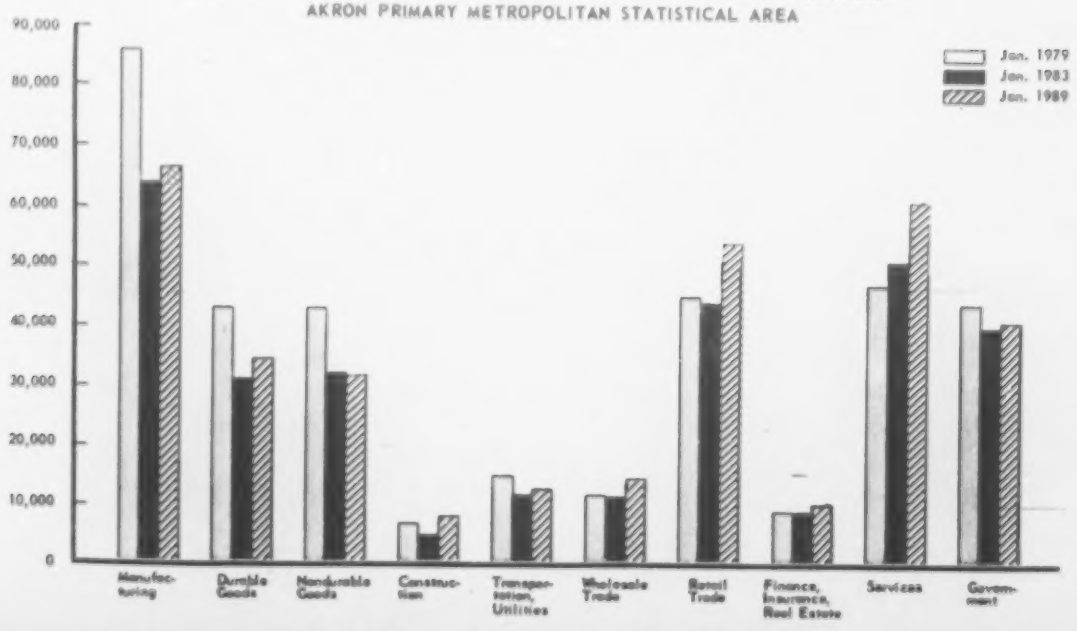
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
322.3	302.7	19.6	6.1	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1987						
322.6	302.5	20.0	6.2	December	272.4	66.9	37.6	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	260.1	65.0	36.4	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	264.7	65.0	36.6	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	268.3	65.7	37.3	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.8	65.9	37.3	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.8	65.8	37.6	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	270.4	66.4	38.0	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
321.2	303.4	17.8	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
321.4	303.7	17.7	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
324.6	308.3	16.3	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
324.7	308.0	16.7	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
325.9	307.7	18.1	5.6	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
INA	INA	INA	INA	January	270.3	67.0	39.1	496.51	43.1	11.52

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	270.3	279.7	260.1	- 9.4	10.2
MANUFACTURING	67.0	66.6	65.0	.4	2.0
Durable Goods[e]	34.9	34.7	33.3	.2	1.5
Fabricated metal products	11.0	11.0	10.5	.0	.5
Machinery, except electrical	10.0	9.9	9.2	.1	.8
Metalworking machinery	3.5	3.5	3.3	.0	.2
Nondurable Goods[f]	32.1	31.9	31.6	.2	.5
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	3.6	3.5	3.7	.0	- .2
Rubber and misc. plastics products	19.3	19.3	19.0	.1	.4
Tires and inner tubes	10.3	10.3	10.5	.0	- .2
NONMANUFACTURING[g]	203.3	213.1	195.1	- 9.8	8.2
CONSTRUCTION	8.6	10.0	7.8	- 1.3	.8
TRANSPORTATION AND PUBLIC UTILITIES	12.9	13.2	12.6	- .3	.3
Communication, electric, gas services	4.8	4.9	4.9	.0	- .1
WHOLESALE TRADE	14.8	14.9	14.1	- .1	.7
RETAIL TRADE	53.9	56.1	51.7	- 2.2	2.2
General merchandise stores	6.8	7.7	6.7	- .9	.1
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.6	10.5	- .1	- .1
Banking	3.1	3.1	3.1	.0	- .1
SERVICES	61.0	61.9	57.6	- .9	3.4
Business services	13.9	13.6	11.7	.2	2.1
Amusement and recreation services	2.6	2.8	2.3	- .2	.2
Health services	20.2	20.4	19.7	- .2	.5
GOVERNMENT	41.0	45.7	40.2	- 4.8	.8
State government	14.6	17.2	12.1	- 2.6	2.5
State government education[h]	11.6	14.3	9.2	- 2.7	2.4
State government, except education	3.0	2.9	3.0	.1	.0
Local government	23.8	26.0	25.7	- 2.2	- 1.9
Local government education	12.8[j]	14.9	14.4	- 2.1	- 1.6
Local government, except education	11.0	11.1	11.3	- .1	- .3

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

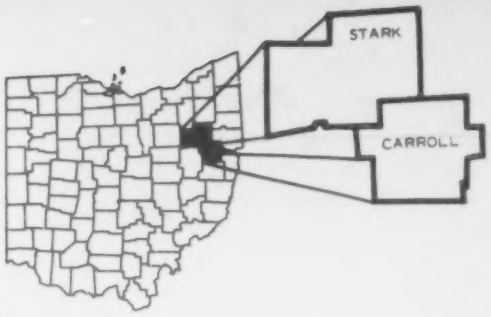
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$496.51	$493.06	$489.89	43.1	43.1	43.2	$11.52	$11.44	$11.34
Durable Goods[e]	514.94	511.37	498.37	43.2	43.3	43.0	11.92	11.81	11.59
Fabricated metal products	637.02	625.56	605.75	43.1	42.7	43.8	14.78	14.65	13.83
Machinery, except electrical	471.17	469.20	453.01	45.7	46.0	44.5	10.31	10.20	10.18
Metalworking machinery	491.57	502.67	476.56	45.6	46.5	45.3	10.78	10.81	10.52
Nondurable Goods[f]	471.90	468.90	480.26	42.9	42.9	43.7	11.00	10.93	10.99
Food and kindred products	438.26	432.55	477.63	42.1	41.0	43.9	10.41	10.55	10.88
Chemicals and allied products	499.57	510.77	518.91	41.7	42.6	44.2	11.98	11.99	11.74
Rubber and misc. plastics products	483.32	488.84	498.85	43.7	44.4	44.7	11.06	11.01	11.16
Tires and inner tubes	814.06	816.68	783.50	50.5	50.6	50.0	16.12	16.14	15.67
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	572.05	574.06	559.36	40.6	40.8	40.3	14.09	14.07	13.88
WHOLESALE TRADE	353.06	344.65	334.11	37.6	36.9	37.0	9.39	9.34	9.03
RETAIL TRADE[h]	207.99	211.12	192.17	32.6	33.3	30.6	6.38	6.34	6.28

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	2,336	2,078	2,454
Active File of Job Seekers	15,390	14,509	16,818
Referrals to Jobs	938	782	1,042
Placements	198	128	170
Job Openings Received	1,379	264	388
Job Openings Unfilled	1,661	663	697
Unemployment Insurance Program			
Initial Claims	4,399	4,608	5,556
Continued Claims	32,475	24,012	37,265
First Payments	2,598	2,515	2,831
Last Payments	317	316	448
Weeks Compensated	24,591	20,584	30,459
Benefits Paid	$3,754,003	$3,078,614	$4,669,705
Average Weekly Payment	$158.87	$155.52	$157.05

CANTON METROPOLITAN STATISTICAL AREA

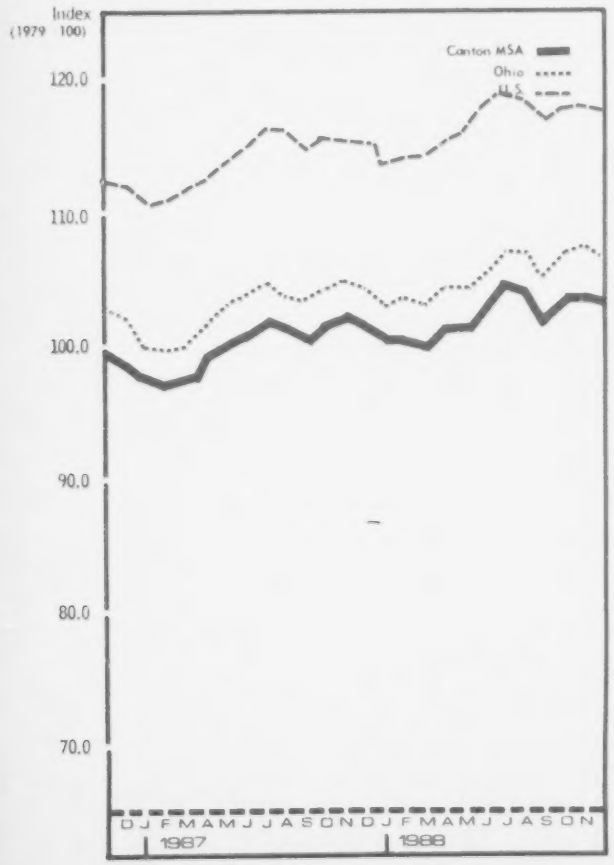


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

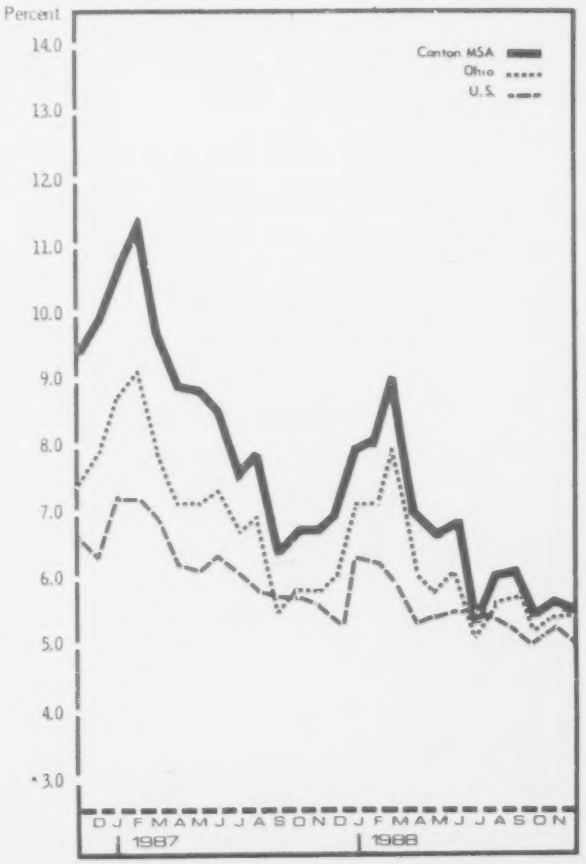
Total nonfarm payroll employment in the Canton metropolitan area declined 2,800 from December 1988, to 160,300 in January 1989. Seasonal reductions in retail trade, services, and construction lowered nonmanufacturing employment 3,100. The manufacturing sector increased 300 to 45,900, with scattered improvements in both durable- and nondurable-goods industries. Factory production worker average hourly earnings were $11.63, up fractionally from December. Their average workweek was .1 hours longer at 43.1 hours.

Nonagricultural wage and salary employment advanced 5,300 between January 1988 and January 1989. Most of the gain occurred in the nonmanufacturing sector. Significant expansion was noted in construction, services, and retail trade. Manufacturing employment increased 1,700 over the year. Improvements were reported in primary metal industries, rubber and miscellaneous plastics products, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

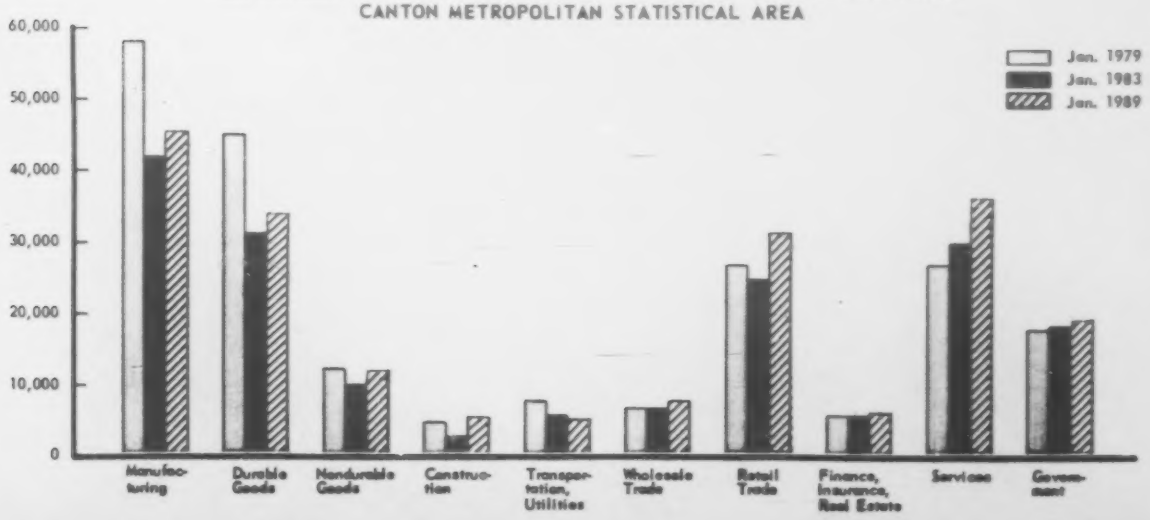


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
179.9	/170.0	9.9	5.5	1978	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	156.4	44.0	31.2	475.15	41.9	11.34
189.8	177.3	12.5	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1987						
188.8	175.9	12.9	6.8	December	160.8	45.1	32.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.0	44.3	31.4	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	154.7	44.3	31.6	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	155.7	44.4	32.0	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	157.9	44.4	31.5	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	159.7	44.6	31.7	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.0	180.4	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
187.5	176.1	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.1	179.8	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
190.3	179.7	10.6	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
189.3	178.9	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
INA	INA	INA	INA	January	160.3	45.9	33.2	501.25	43.1	11.63

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	160.3	163.0	155.0	- 2.8	5.3
MANUFACTURING	45.9	45.7	44.3	.3	1.7
Durable Goods[e]	34.0	33.8	32.8	.2	1.1
Primary metal industries	11.5	11.4	11.0	.1	.5
Fabricated metal products	6.7	6.6	6.6	.1	.1
Metal forgings and stampings	2.3	2.2	2.2	.1	.1
Nondurable Goods[f]	12.0	11.9	11.5	.1	.5
Food and kindred products	3.3	3.3	3.3	.0	.0
Rubber and misc. plastics products	3.1	3.0	2.9	.0	.2
NONMANUFACTURING[g]	114.3	117.4	110.7	- 3.1	3.6
CONSTRUCTION	6.0	6.4	4.8	- .4	1.2
TRANSPORTATION AND PUBLIC UTILITIES	5.8	6.0	5.5	- .2	.3
Communication, electric, gas services	2.7	2.8	2.5	.0	.2
WHOLESALE TRADE	8.0	8.1	7.8	- .1	.2
Wholesale trade-durable goods	4.4	4.5	4.3	- .1	.1
RETAIL TRADE	31.8	33.4	31.0	- 1.6	.8
General merchandise stores	4.1	4.6	4.1	- .5	.0
Food stores	5.6	5.7	5.3	- .1	.3
FINANCE, INSURANCE, AND REAL ESTATE	6.2	6.3	6.3	- .1	- .1
Banking	1.8	1.8	1.8	.0	.0
SERVICES	36.4	37.0	35.5	- .6	1.0
Health services	15.1	15.3	15.0	- .2	.1
GOVERNMENT	19.2	19.3	18.9	.0	.3
State government (includes education)	1.7	1.7	1.8	.0	.0
Local government	16.1	16.1	15.7	.0	.3
Local government education	9.8	9.9	9.6	- .1	.1
Local government, except education	6.3	6.2	6.1	.1	.2

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

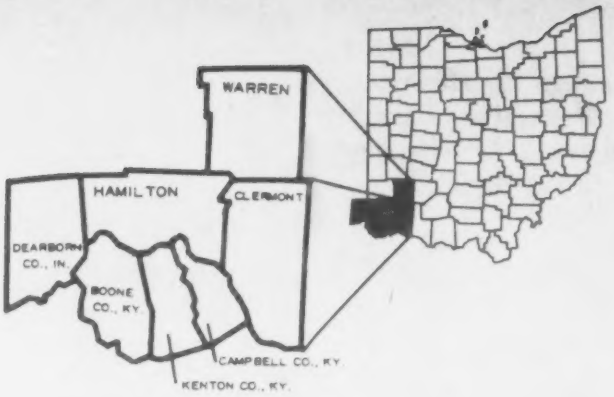
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$501.25	$499.23	$493.78	43.1	43.0	43.2	$11.63	$11.61	$11.43
Durable Goods[e]	537.91	534.49	520.97	44.2	44.1	44.3	12.17	12.12	11.76
Primary metal industries	606.99	594.69	611.71	46.3	45.5	47.2	13.11	13.07	12.96
Fabricated metal products	504.18	522.71	424.73	42.8	44.6	40.8	11.78	11.72	10.41
Metal forgings and stampings	575.10	597.06	576.69	40.5	42.8	40.3	14.20	13.95	14.31
Nondurable Goods[f]	389.46	390.25	409.60	39.7	39.7	40.0	9.81	9.83	10.24
Food and kindred products	392.11	395.18	429.84	38.9	39.4	39.8	10.08	10.03	10.80
Rubber and misc. plastics products	404.49	389.70	428.45	41.7	40.3	41.0	9.70	9.67	10.45
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	574.87	563.18	565.52	40.8	40.4	41.4	14.09	13.94	13.66
WHOLESALE TRADE	385.82	387.22	375.82	38.2	38.0	38.0	10.10	10.19	9.89
RETAIL TRADE[h]	162.16	164.64	152.84	28.6	29.4	28.2	5.67	5.60	5.42

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	1,755	1,256	1,653
Active File of Job Seekers	11,853	10,951	11,400
Referrals to Jobs	539	569	737
Placements	124	101	246
Job Openings Received	966	241	270
Job Openings Unfilled	2,038	1,588	306
Unemployment Insurance Program			
Initial Claims	3,093	2,610	3,514
Continued Claims	18,308	12,311	21,890
First Payments	1,587	1,173	1,738
Last Payments	173	155	240
Weeks Compensated	13,038	10,658	17,249
Benefits Paid	$1,889,737	$1,511,078	$2,445,971
Average Weekly Payment	$148.56	$146.17	$146.61

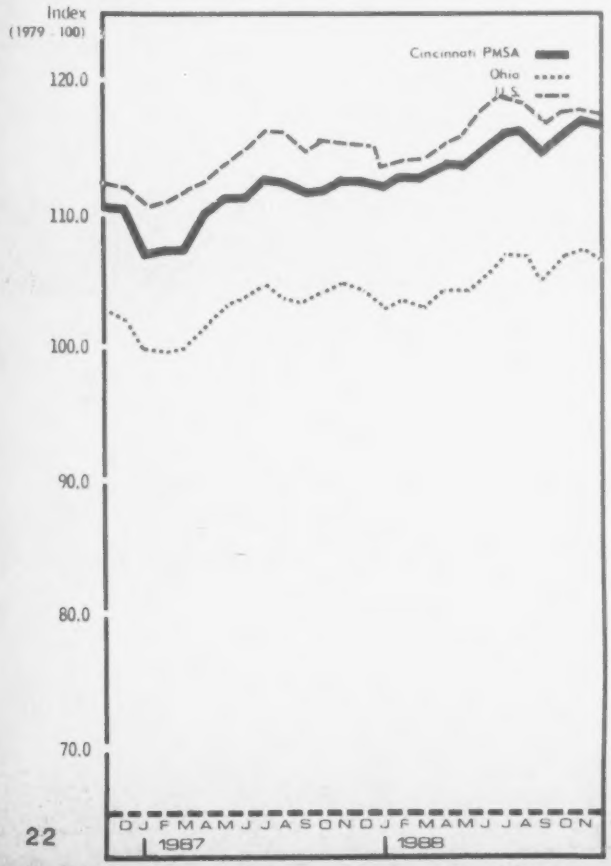
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



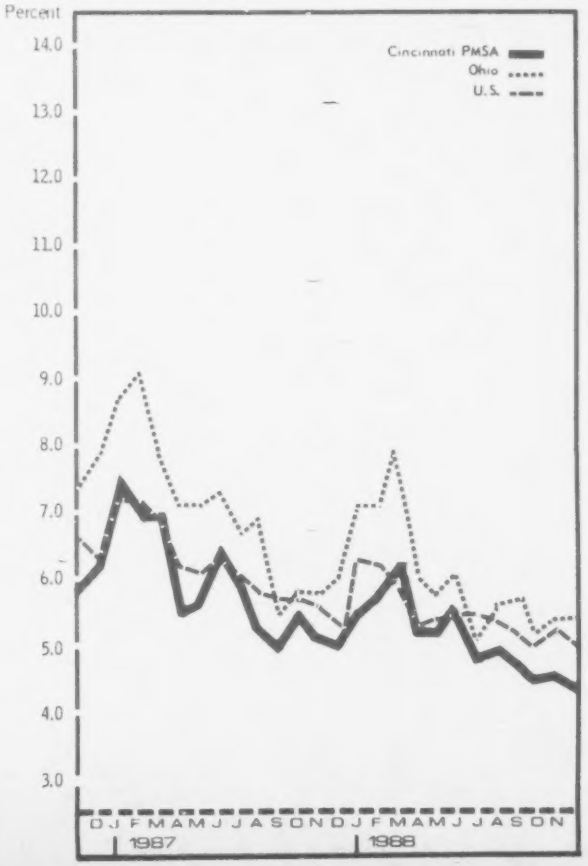
Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 703,200 in January 1989, down 15,400 from December 1988. Nonmanufacturing employment declined 14,300 due to seasonal reductions in retail trade, services, and construction. Reduced employment in transportation equipment and food and kindred products contributed to the loss of 1,100 manufacturing jobs, down to 145,500. The settlement of a labor-management dispute increased employment in chemicals and allied products. Factory production workers averaged $11.37 per hour, up $.04 from December. Their average workweek of 42.7 hours was .8 hours shorter.

Total nonfarm wage and salary employment advanced 26,000 between January 1988 and January 1989. A major portion of the gain occurred in services, retail trade, construction, and transportation and public utilities. Manufacturing employment declined 300 during the period. A significant reduction in transportation equipment more than offset modest growth in nonelectrical machinery and food and kindred products.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

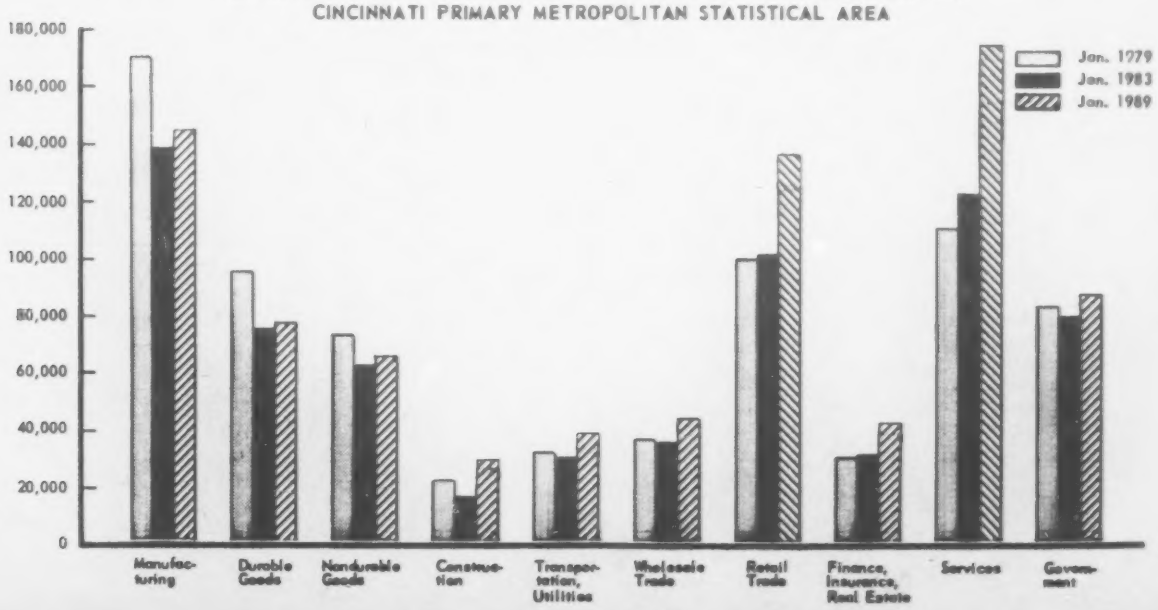


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
760.3	721.4	38.9	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1987						
754.6	716.6	38.0	5.0	December	700.0	146.9	94.2	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	677.2	145.7	93.3	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	676.6	144.8	92.5	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	679.5	138.3	86.3	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	694.4	144.3	92.0	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	700.1	143.7	91.4	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	704.2	144.2	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
767.1	729.0	38.0	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
758.0	722.0	36.0	4.7	September	711.9	145.8	92.7	483.75	43.0	11.25
766.5	732.0	34.5	4.5	October	712.4	145.3	92.0	484.18	43.0	11.26
772.6	736.8	35.8	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
769.0	735.7	33.3	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
INA	INA	INA	INA	January	703.2	145.5	91.9	485.50	42.7	11.37

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	703.2	718.6	677.2	- 15.4	26.0
MANUFACTURING	145.5	146.6	145.7	- 1.1	- .3
Durable Goods[e]	78.5	79.4	79.2	- 1.0	- .7
Fabricated metal products	10.9	11.0	11.0	- .1	- .2
Fabricated structural metal products	3.9	3.9	4.2	.0	- .4
Machinery, except electrical	21.2	21.2	20.6	.0	.6
Metalworking machinery	8.7	8.7	8.6	.0	.0
General industrial machinery	3.1	3.1	3.0	.1	.1
Electric and electronic equipment	8.8	8.8	8.4	.0	.4
Transportation equipment	23.4	23.9	25.3	- .5	- 1.9
Motor vehicles and equipment	5.2	5.1	5.2	.1	.0
Nondurable Goods[f]	67.0	67.1	66.6	- .1	.4
Food and kindred products	12.9	13.2	12.4	- .2	.6
Beverages	3.4	3.5	3.4	- .1	.1
Apparel and other textile products	3.5	3.5	3.6	- .1	- .1
Paper and allied products	6.1	6.1	6.0	.0	.1
Printing and publishing	13.5	13.6	13.7	.0	- .1
Commercial printing	6.2	6.2	6.2	.0	.1
Chemicals and allied products	22.7	22.3[j]	22.5	.4	.2
Rubber and misc. plastics products	6.1	6.2	6.1	- .1	.0
NONMANUFACTURING[g]	557.7	572.0	531.4	- 14.3	26.2
CONSTRUCTION	30.1	32.6	26.8	- 2.5	3.3
TRANSPORTATION AND PUBLIC UTILITIES	39.1	39.6	36.5	- .5	2.6
Trucking and warehousing	10.9	11.4	9.9	- .4	1.0
Communication, electric, gas services	15.5	15.4	15.3	.1	.2
WHOLESALE TRADE	45.1	45.5	43.4	- .4	1.7
Wholesale trade-durable goods	26.5	26.7	25.5	- .2	1.0
RETAIL TRADE	137.2	143.6	129.5	- 6.4	7.6
General merchandise stores	20.7	22.8	19.7	- 2.1	1.0
FINANCE, INSURANCE, AND REAL ESTATE	42.6	43.0	41.0	- .4	1.6
Banking	9.3	9.2	8.8	.0	.4
Insurance carriers	14.6	14.5	14.2	.1	.4
SERVICES	174.3	177.2	166.3	- 3.0	8.0
Hotels and other lodging places	7.0	7.3	6.7	- .3	.3
Personal services	9.4	9.1	8.7	.3	.7
Business services	44.2	44.8	39.9	- .6	4.3
Amusement and recreation services	5.8	7.0	5.9	- 1.2	- .1
Health services	54.0	54.5	52.7	- .5	1.3
Hospitals	26.1	26.1	25.4	.0	.7
GOVERNMENT	88.9	90.0	87.6	- 1.1	1.3
Federal government	15.5	15.6	15.4	- .1	.2
State government	20.3	20.7	19.8	- .4	.5
State government education[i]	12.5	12.9	12.0	- .4	.4
State government, except education	7.8	7.8	7.7	.0	.1
Local government	53.1	53.7	52.4	- .6	.7
Local government education	30.4	30.9	30.3	- .5	.1
Local government, except education	22.6	22.8	22.1	- .1	.6

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$485.50	$492.86	$481.00	42.7	43.5	43.1	$11.37	$11.33	$11.16
Durable Goods[e]	491.62	497.39	479.70	43.2	43.9	43.1	11.38	11.33	11.13
Fabricated metal products	437.90	450.66	428.14	43.1	44.4	42.9	10.16	10.15	9.98
Fabricated structural metal products	489.60	509.03	426.86	45.0	46.7	42.9	10.88	10.90	9.95
Machinery, except electrical	428.58	435.37	430.26	42.1	42.6	42.6	10.18	10.22	10.10
Metalworking machinery	484.83	483.04	492.59	43.6	43.4	43.4	11.12	11.13	11.35
General industrial machinery	427.25	441.32	411.55	43.2	44.0	44.3	9.89	10.03	9.29
Electric and electronic equipment	372.86	379.26	349.25	41.2	42.0	40.8	9.05	9.03	8.56
Transportation equipment	770.36	761.43	717.10	47.7	47.5	46.9	16.15	16.03	15.29
Motor vehicles and equipment	862.03	906.24	759.10	49.4	51.2	46.4	17.45	17.70	16.36
Nondurable Goods[f]	478.97	488.75	481.86	42.2	43.1	43.1	11.35	11.34	11.18
Food and kindred products	491.30	503.76	554.12	41.6	42.8	46.1	11.81	11.77	12.02
Beverages	503.30	512.94	532.54	40.2	41.2	42.4	12.52	12.45	12.56
Apparel and other textile products	229.25	237.40	207.18	38.4	39.5	36.8	5.97	6.01	5.63
Paper and allied products	446.02	451.53	421.60	42.6	43.5	42.5	10.47	10.38	9.92
Printing and publishing	445.50	473.52	473.10	39.6	41.5	41.5	11.25	11.41	11.40
Commercial printing	481.24	517.36	505.76	42.4	44.6	43.6	11.35	11.60	11.60
Chemicals and allied products	572.80	577.26	560.74	43.1	43.6	43.2	13.29	13.24	12.98
Rubber and misc. plastics products	435.71	444.13	404.87	46.6	46.8	44.2	9.35	9.49	9.16
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	583.16	572.02	545.60	41.3	40.8	40.0	14.12	14.02	13.64
WHOLESALE TRADE	411.27	416.07	399.84	40.4	41.4	40.8	10.18	10.05	9.80
RETAIL TRADE[h]	168.48	171.69	164.45	29.2	29.5	28.7	5.77	5.82	5.73
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	264.17	262.76	255.28	....	....	....	.....	.....	.....

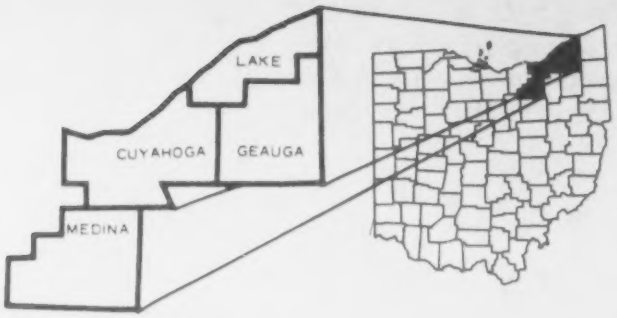
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	3,398	2,528	3,061
Active File of Job Seekers	17,592	17,360	22,647
Referrals to Jobs	1,569	1,374	1,558
Placements	171	305	243
Job Openings Received	943	522	655
Job Openings Unfilled	1,746	1,667	1,576
Unemployment Insurance Program			
Initial Claims	6,734	4,914	6,805
Continued Claims	42,477	30,596	52,128
First Payments	3,073	2,485	2,254
Last Payments	451	515	524
Weeks Compensated	29,418	26,292	40,313
Benefits Paid	$4,495,061	$3,912,244	$6,407,686
Average Weekly Payment	$157.42	$152.80	$161.79

[a]Ohio data only

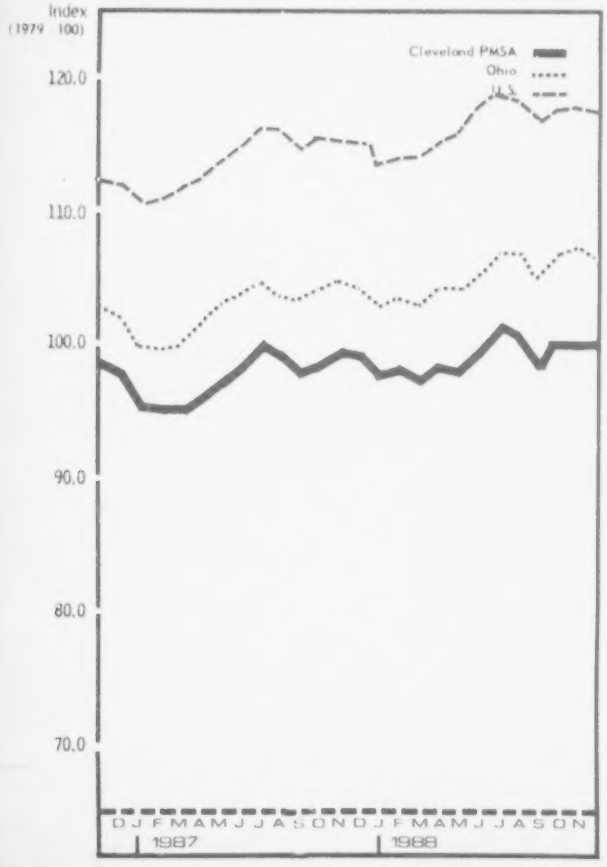
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



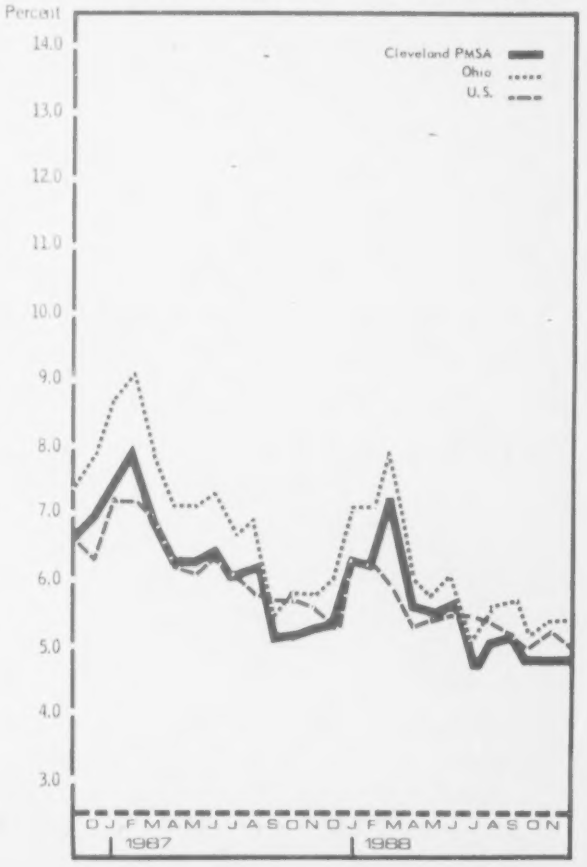
In the Cleveland metropolitan area, nonfarm payroll employment dropped 22,400 from December 1988, to 902,000 in January 1989. Seasonal reductions in retail trade, services, and construction helped lower nonmanufacturing employment 21,300. Scattered declines among producers of both durable and nondurable goods reduced manufacturing employment 1,100, to 204,300. Factory production workers averaged $12.15 per hour, unchanged from December. Their average workweek, 44.0 hours, was .3 hours shorter.

Nonagricultural wage and salary employment advanced 19,300 between January 1988 and January 1989. Expansion in the nonmanufacturing sector accounted for most of the gain. Noteworthy growth occurred in services, retail trade, finance, insurance, and real estate, and wholesale trade. The manufacturing workforce increased 3,800. Improvements were recorded in nonelectrical machinery, primary metal industries, transportation equipment, chemicals and allied products, and fabricated metal products. Employment in printing and publishing and instruments and related products declined.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

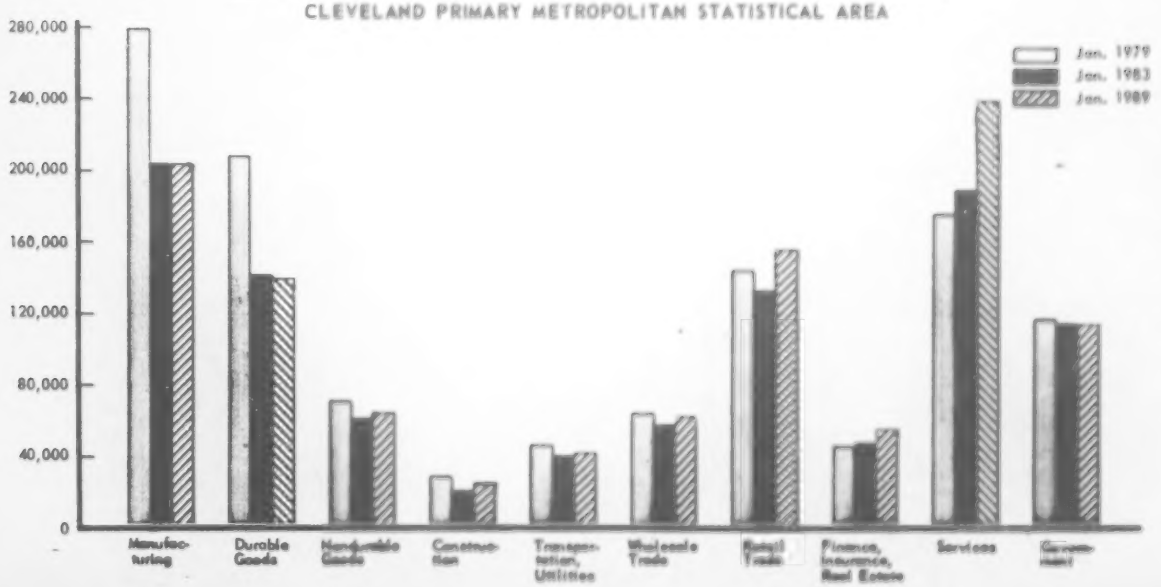


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.8	882.5	51.3	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1987						
931.0	880.7	50.3	5.4	December	913.2	203.4	130.8	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	882.7	200.4	129.0	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	880.1	199.3	128.2	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	886.5	200.2	128.5	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	894.9	200.1	128.5	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83
939.2	885.8	53.5	5.7	June	911.0	202.2	130.4	518.28	43.7	11.86
947.1	902.6	44.5	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.7	895.4	48.3	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
922.0	874.3	47.7	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
936.4	891.6	44.8	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
937.4	892.0	45.4	4.8	November	926.2	204.5	133.0	528.12	43.9	12.03
937.1	892.2	44.9	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
INA	INA	INA	INA	January	902.0	204.3	132.8	534.60	44.0	12.15

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	902.0	924.5	882.7	- 22.4	19.3
MANUFACTURING	204.3	205.4	200.4	- 1.1	3.8
Durable Goods[e]	140.5	141.0	137.3	- .5	3.2
Primary metal industries	21.8	21.8	21.2	.0	.6
Iron and steel foundries	4.7	4.7	4.8	.0	- .1
Fabricated metal products	32.6	32.7	32.2	- .1	.4
Fabricated structural metal products	4.0	3.9	3.9	.1	.1
Screw machine products, bolts, etc.	4.8	4.9	4.9	- .1	- .1
Metal forgings and stampings	11.1	11.2	11.0	- .1	.1
Machinery, except electrical	30.6	30.6	29.5	.0	1.1
Construction and related machinery	2.6	2.6	2.6	.0	- .1
Metalworking machinery	10.2	10.1	9.8	.1	.4
Special industry machinery	2.6	2.6	2.9	.0	- .3
General industrial machinery	3.3	3.3	3.0	.0	.2
Electric and electronic equipment	17.9	17.9	17.8	- .1	.1
Electrical industrial apparatus	6.6	6.5	6.1	.1	.5
Transportation equipment	20.0	20.2	19.4	- .2	.6
Motor vehicles and equipment	12.8	12.9	12.1	- .1	.7
Instruments and related products	6.4	6.4	6.7	.0	- .3
Measuring and controlling devices	4.4	4.4	4.5	.0	- .1
Nondurable Goods[f]	63.8	64.4	63.1	- .6	.7
Food and kindred products	6.6	6.8	6.6	- .1	.0
Apparel and other textile products	3.5	3.6	3.5	- .1	.0
Paper and allied products	6.0	6.0	5.9	.0	.1
Printing and publishing	15.8	16.0	16.2	- .2	- .4
Chemicals and allied products	15.0	15.1	14.5	.0	.5
Rubber and misc. plastics products	11.6	11.7	11.3	- .1	.3
NONMANUFACTURING[g]	697.8	719.1	682.3	- 21.3	15.5
CONSTRUCTION	24.6	27.8	24.0	- 3.2	.6
TRANSPORTATION AND PUBLIC UTILITIES	40.5	42.4	40.3	- 1.9	.2
Trucking and warehousing	11.7	12.8	11.6	- 1.0	.1
Communication, electric, gas services	17.3	17.6	17.3	- .3	.0
WHOLESALE TRADE	62.9	63.9	61.3	- 1.0	1.6
Wholesale trade-durable goods	43.8	44.3	42.8	- .4	1.1
RETAIL TRADE	157.3	166.0	154.1	- 8.7	3.2
General merchandise stores	21.4	23.5	21.7	- 2.1	- .3
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.8	55.4	- .4	2.0
Banking	14.0	14.2	14.0	- .2	.0
Credit agencies other than banks	8.8	8.8	8.8	.0	.0
Insurance carriers	14.3	14.4	13.6	- .1	.7
SERVICES	238.9	243.1	230.7	- 4.2	8.2
Business services	55.2	56.4	51.9	- 1.2	3.2
Amusement and recreation services	5.4	6.4	6.0	- 1.1	- .6
Health services	77.7	78.1	76.5	- .4	1.1
Hospitals	43.9	43.9	44.0	.0	- .1
GOVERNMENT	115.1	117.0	115.4	- 1.9	- .4
Federal government	20.6	21.2	20.8	- .5	- .2
State government	8.2	8.6	8.0	- .5	.1
State government education[i]	3.0	3.6	3.0	- .6	.0
State government, except education	5.2	5.1	5.1	.1	.1
Local government	86.2	87.2	86.6	- .9	- .3
Local government education	43.3	44.2	43.6	- .9	- .2
Local government, except education	42.9	42.9	43.0	.0	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

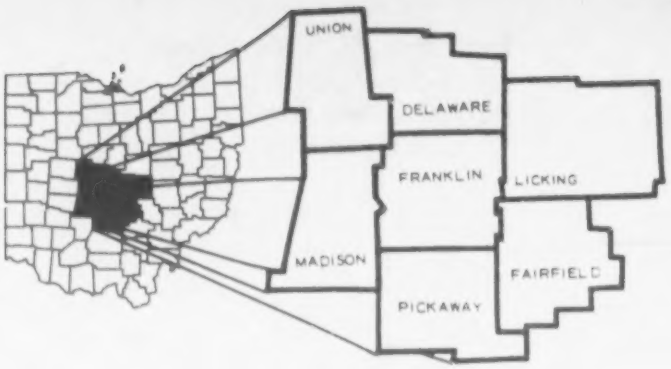
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$534.60	$538.25	$503.53	44.0	44.3	43.0	$12.15	$12.15	$11.71
Durable Goods[e]	570.97	577.03	540.85	45.1	45.4	43.9	12.66	12.71	12.32
Primary metal industries	604.29	608.62	602.36	47.1	47.4	46.3	12.83	12.84	13.01
Iron and steel foundries	983.66	982.03	898.39	52.8	53.4	50.9	18.63	18.39	17.65
Fabricated metal products	560.62	587.61	554.03	44.6	45.8	44.5	12.57	12.83	12.45
Fabricated structural metal products	397.79	427.65	381.74	40.1	42.3	39.6	9.92	10.11	9.64
Screw machine products, bolts, etc.	589.57	589.36	522.47	47.7	47.3	46.9	12.36	12.46	11.14
Metal forgings and stampings	715.23	768.42	706.80	46.9	49.1	46.5	15.25	15.65	15.20
Machinery, except electrical	567.18	552.80	481.80	46.0	45.2	42.3	12.33	12.23	11.39
Construction and related machinery	413.98	417.19	440.82	43.9	44.1	47.4	9.43	9.46	9.30
Metalworking machinery	505.76	501.12	443.81	43.6	43.5	41.4	11.60	11.52	10.72
Special industry machinery	506.34	506.20	483.44	43.5	43.6	40.9	11.64	11.61	11.82
General industrial machinery	521.88	548.42	495.03	45.9	47.4	43.5	11.37	11.57	11.38
Electric and electronic equipment	470.38	466.57	453.23	42.3	42.3	42.2	11.12	11.03	10.74
Electrical industrial apparatus	538.36	545.71	489.94	44.2	45.1	42.2	12.18	12.10	11.61
Transportation equipment	752.47	766.23	711.16	47.0	47.8	46.0	16.01	16.03	15.46
Motor vehicles and equipment	844.77	859.17	780.47	48.3	48.9	46.1	17.49	17.57	16.93
Instruments and related products	414.66	420.58	407.97	41.8	42.1	41.8	9.92	9.99	9.76
Measuring and controlling devices	444.78	460.10	430.73	42.0	43.0	41.9	10.59	10.70	10.28
Nondurable Goods[f]	443.39	439.25	416.97	41.4	41.4	41.0	10.71	10.61	10.17
Food and kindred products	438.88	449.10	381.71	42.2	43.1	41.0	10.40	10.42	9.31
Apparel and other textile products	348.07	339.89	337.74	40.1	39.8	40.4	8.68	8.54	8.36
Paper and allied products	511.56	488.49	476.43	44.1	42.7	42.5	11.60	11.44	11.21
Printing and publishing	416.61	423.55	389.24	37.6	38.4	37.0	11.08	11.03	10.52
Chemicals and allied products	532.77	523.98	515.38	43.0	42.6	43.2	12.39	12.30	11.93
Rubber and misc. plastics products	395.97	386.44	384.88	42.9	42.7	43.1	9.23	9.05	8.93
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	596.26	594.28	583.02	40.7	40.9	41.0	14.65	14.53	14.22
WHOLESALE TRADE	427.45	435.91	400.28	39.8	39.7	38.9	10.74	10.98	10.29
RETAIL TRADE[h]	183.37	190.19	180.29	27.7	28.6	27.4	6.62	6.65	6.58
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	316.64	305.76	301.26	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	346.94	345.98	341.17	31.8	31.8	31.3	10.91	10.88	10.90

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	4,793	4,092	4,871
Active File of Job Seekers	55,715	53,156	61,325
Referrals to Jobs	1,614	1,380	1,681
Placements	208	363	285
Job Openings Received	1,247	917	904
Job Openings Unfilled	3,472	3,240	2,205
Unemployment Insurance Program			
Initial Claims	9,954	10,108	11,243
Continued Claims	70,812	54,538	81,615
First Payments	5,785	4,910	6,166
Last Payments	802	808	1,138
Weeks Compensated	53,191	44,866	64,489
Benefits Paid	$8,344,950	$6,833,160	$9,736,382
Average Weekly Payment	$160.72	$157.12	$153.61

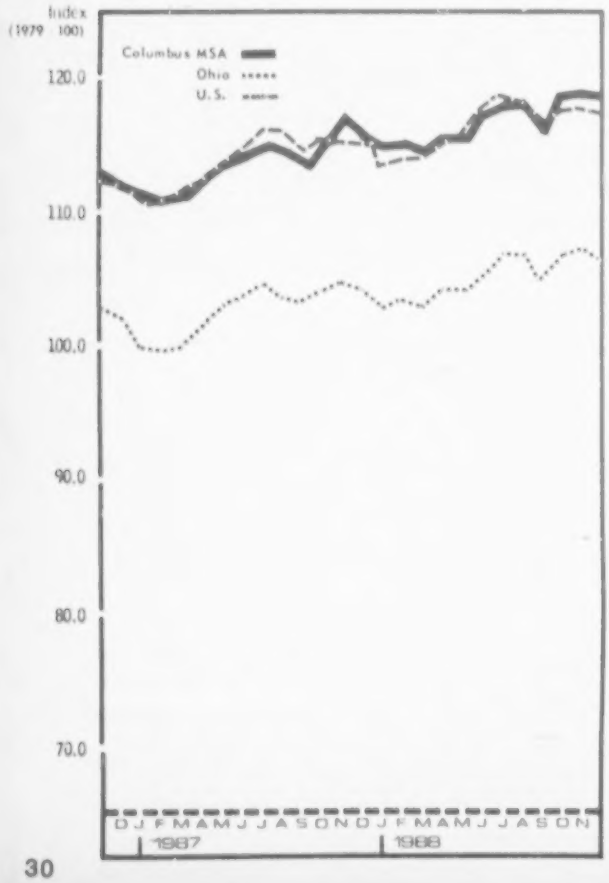
COLUMBUS METROPOLITAN STATISTICAL AREA



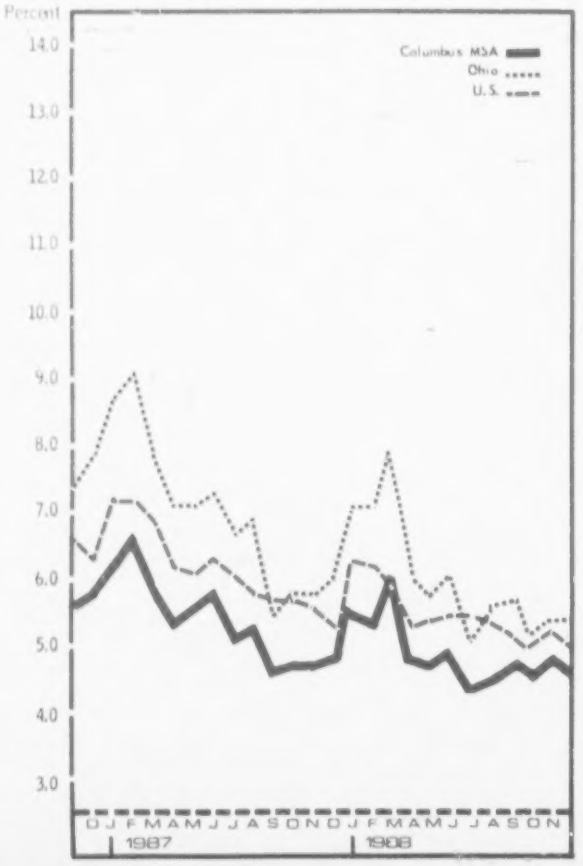
Nonagricultural payroll employment in the Columbus metropolitan area totaled 683,000 in January 1989, down 15,600 from December 1988. Seasonal declines in retail trade, services, and construction helped lower nonmanufacturing employment 14,600. Manufacturing employment decreased 1,000 to 103,000, with losses in transportation equipment and food and kindred products. Factory production workers averaged $11.72 per hour, down $.04 from December. Their average workweek of 41.6 hours was .3 hours shorter.

Total nonfarm wage and salary employment advanced 24,500 between January 1988 and January 1989. Primary growth sectors were services and retail trade. Gains were also noted in government and construction. Manufacturing employment increased 800. Moderate expansion occurred in fabricated metal products, rubber and miscellaneous plastics products, and printing and publishing. Employment in transportation equipment and nonelectrical machinery declined.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

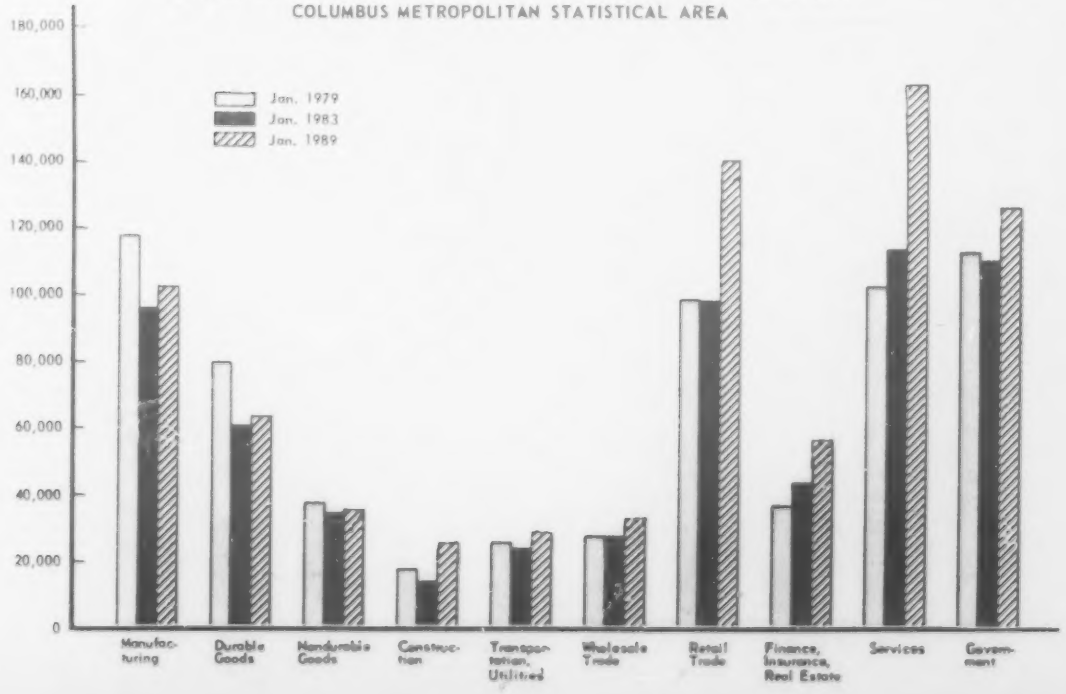


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
709.6	674.8	34.8	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1987						
704.2	669.8	34.5	4.9	December	677.2	104.1	68.5	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	658.5	102.2	67.1	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	659.2	101.5	66.8	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	664.1	101.0	66.5	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	670.6	101.6	67.1	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	677.6	101.8	67.3	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.2	682.7	30.4	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
714.3	682.1	32.2	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
701.7	669.0	32.7	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
718.0	685.8	32.2	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
721.5	687.2	34.3	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
719.9	686.9	33.0	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
INA	INA	INA	INA	January	683.0	103.0	68.1	487.55	41.6	11.72

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	683.0	698.6	658.5	- 15.6	24.5
MANUFACTURING	103.0	104.0	102.2	- 1.0	.8
Durable Goods[e]	65.3	66.0	65.1	- .7	.2
Stone, clay, and glass products	9.9	10.0	9.9	- .1	.1
Glass and glassware, pressed or blown	3.3	3.2	3.2	.0	.1
Fabricated metal products	9.5	9.5	8.9	.0	.6
Fabricated structural metal products	2.5	2.5	2.4	.0	.1
Machinery, except electrical	9.7	9.7	10.0	- .1	- .3
Electric and electronic equipment	10.4	10.5	10.6	- .1	- .1
Transportation equipment	12.8	13.2	13.5	- .4	- .7
Instruments and related products	4.1	4.2	4.1	- .1	.0
Nondurable Goods[f]	37.7	37.9	37.0	- .3	.6
Food and kindred products	10.1	10.3	10.3	- .2	- .1
Printing and publishing	10.7	10.7	10.3	.0	.4
Chemicals and allied products	6.6	6.6	6.7	.0	.0
Rubber and misc. plastics products	5.8	5.7	5.2	.0	.6
NONMANUFACTURING[g]	580.0	594.6	556.3	- 14.6	23.7
CONSTRUCTION	26.6	29.2	24.5	- 2.6	2.1
TRANSPORTATION AND PUBLIC UTILITIES	30.0	30.8	28.7	- .8	1.3
Trucking and warehousing	12.5	13.2	11.8	- .7	.7
Communication, electric, gas services	11.9	12.0	11.9	- .1	.0
WHOLESALE TRADE	35.1	35.8	33.9	- .7	1.2
Wholesale trade-durable goods	22.7	22.9	21.9	- .2	.8
RETAIL TRADE	140.1	146.4	134.5	- 6.3	5.6
General merchandise stores	20.1	22.3	20.8	- 2.2	- .7
FINANCE, INSURANCE, AND REAL ESTATE	58.5	58.8	56.8	- .3	1.7
Banking	11.7	11.7	11.0	.0	.8
Insurance carriers	23.3	23.5	23.0	- .1	.3
SERVICES	161.7	164.4	154.3	- 2.7	7.4
Business services	38.3	39.4	35.4	- 1.0	2.9
Health services	41.9	42.2	40.6	- .2	1.4
Hospitals	19.4	19.3	18.8	.0	.6
GOVERNMENT	127.1	128.2	122.7	- 1.1	4.4
Federal government	15.3	15.4	15.4	- .1	- .1
State government	56.4	57.1	54.3	- .6	2.1
State government education[i]	24.4	25.4	23.4	- 1.0	1.0
State government, except education	32.0	31.7	31.0	.3	1.1
Local government	55.4	55.8	53.0	- .4	2.4
Local government education	33.8	33.8	32.1	.0	1.7
Local government, except education	21.6	22.0	20.9	- .4	.6

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$487.55	$492.74	$468.65	41.6	41.9	41.4	$11.72	$11.76	$11.32
Durable Goods[e]	493.31	496.23	474.86	41.7	41.7	41.4	11.83	11.90	11.47
Stone, clay, and glass products	469.85	470.02	464.04	40.4	39.9	39.9	11.63	11.78	11.63
Glass and glassware, pressed or blown.	429.37	417.57	443.05	39.5	38.7	39.7	10.87	10.79	11.16
Fabricated metal products	517.08	530.04	498.98	41.3	42.0	40.8	12.52	12.62	12.23
Fabricated structural metal products	460.50	454.30	442.39	41.3	41.3	41.0	11.15	11.00	10.79
Machinery, except electrical	476.27	501.48	460.91	42.6	44.3	43.4	11.18	11.32	10.62
Electric and electronic equipment	458.74	453.26	458.43	40.1	39.9	41.6	11.44	11.36	11.02
Transportation equipment	595.21	586.70	568.49	43.1	42.3	43.1	13.81	13.87	13.19
Instruments and related products	423.34	411.18	396.04	39.9	38.5	38.6	10.61	10.68	10.26
Nondurable Goods[f]	476.51	485.60	456.23	41.4	42.3	41.4	11.51	11.48	11.02
Food and kindred products	433.46	454.76	437.53	40.7	42.7	40.4	10.65	10.65	10.83
Printing and publishing	552.25	579.77	536.67	38.7	40.6	40.2	14.27	14.28	13.35
Chemicals and allied products	611.34	612.39	556.41	44.3	44.7	42.9	13.80	13.70	12.97
Rubber and misc. plastics products	380.14	363.54	349.87	43.1	41.5	41.8	8.82	8.76	8.37
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	565.21	568.81	568.99	40.2	40.6	40.7	14.06	14.01	13.98
WHOLESALE TRADE	367.35	361.54	343.82	37.6	37.7	37.7	9.77	9.59	9.12
RETAIL TRADE[h]	193.09	194.83	177.72	29.3	29.7	28.3	6.59	6.56	6.28
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	269.65	270.27	259.14	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	348.14	352.17	336.78	33.8	33.7	34.4	10.30	10.45	9.79

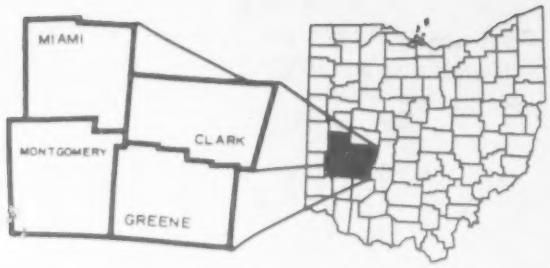
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	5,326	5,057	4,449
Active File of Job Seekers	29,065	26,829	31,742
Referrals to Jobs	2,179	1,483	1,701
Placements	431	562	308
Job Openings Received	987	891	1,197
Job Openings Unfilled	1,684	1,640	2,395
Unemployment Insurance Program			
Initial Claims	6,525	6,009	7,396
Continued Claims	51,224	36,959	51,216
First Payments	4,230	3,258	4,173
Last Payments	461	481	619*
Weeks Compensated	37,985	31,714	45,707
Benefits Paid	$5,962,113	$4,970,309	$7,167,383
Average Weekly Payment	$163.10	$162.38	$159.29

* Revised

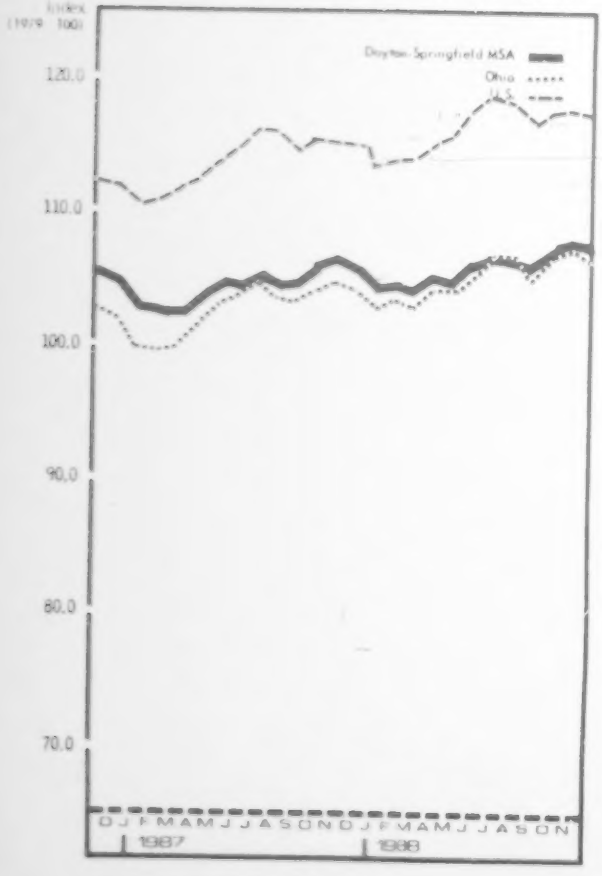
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



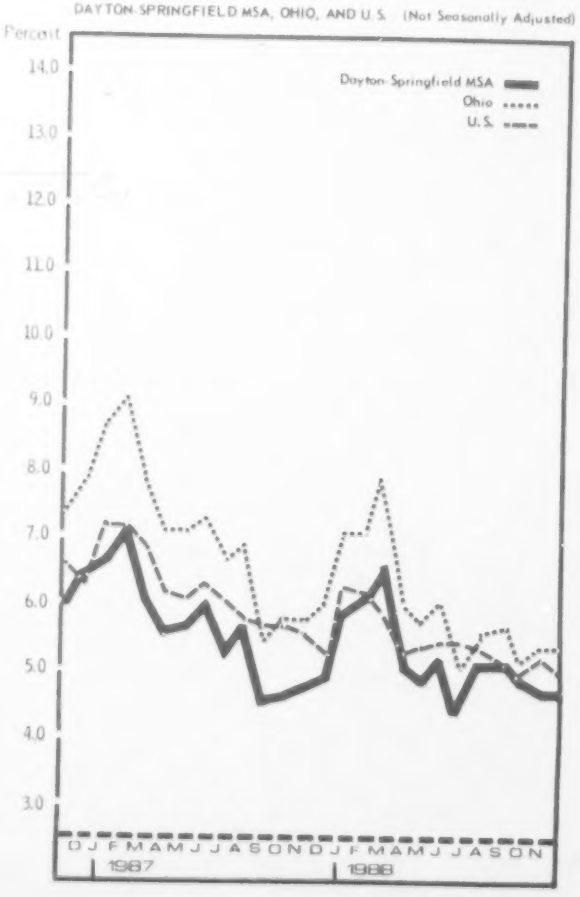
Total nonfarm payroll employment in the Dayton-Springfield metropolitan area declined 10,300 from December 1988 to 437,900 in January 1989. The loss was concentrated in the nonmanufacturing sector. Seasonal decreases occurred in retail trade, construction, and services. Reductions in transportation equipment and scattered losses in nondurable goods lowered manufacturing employment 500 to 105,000. Factory production workers averaged $13.02 per hour, up $.07 from December. Their average workweek of 44.0 hours was .4 hours shorter.

Nonagricultural wage and salary employment advanced 11,400 between January 1988 and January 1989. Primary growth industries were services, retail trade, and construction. Manufacturing employment increased 1,600 over the year with significant expansion in nonelectrical machinery. Employment in printing and publishing, paper and allied products, and fabricated metal products declined.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

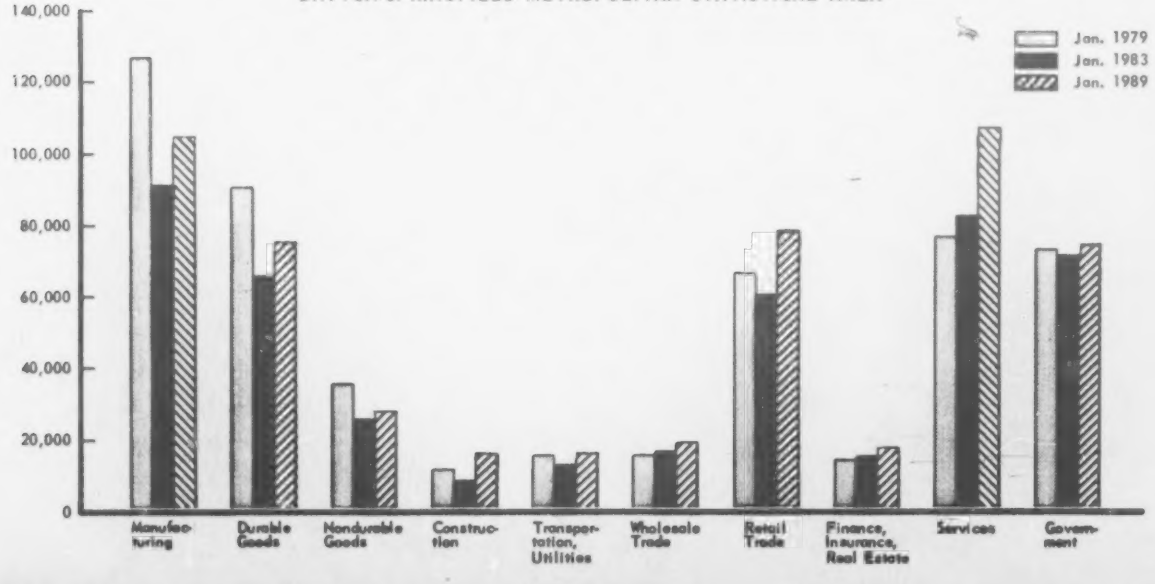


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	429.8	104.3	67.1	499.38	42.0	11.89
466.8	442.5	24.2	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1987						
464.0	440.4	23.6	5.1	December	441.9	105.1	67.8	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	426.5	103.4	66.1	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.0	103.0	65.8	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	429.8	103.9	66.7	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	433.4	104.4	67.3	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	436.3	104.6	67.5	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	432.3	104.8	67.2	525.34	42.4	12.39
468.2	444.5	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
465.3	441.4	23.9	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
472.2	449.5	22.7	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
472.5	450.4	22.1	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
471.2	449.3	21.9	4.7	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
INA	INA	INA	INA	January	437.9	105.0	67.7	572.88	44.0	13.02

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	437.9	448.2	426.5	- 10.3	11.4
MANUFACTURING	105.0	105.5	103.4	- .5	1.6
Durable Goods[e]	75.9	76.1	73.9	- .2	2.0
Fabricated metal products	8.3	8.4	8.4	- .1	- .1
Machinery, except electrical	31.3	31.2	30.1	.1	1.2
Metalworking machinery	6.8	6.7	6.7	.1	.1
General industrial machinery	2.9	2.8	2.7	.0	.1
Electric and electronic equipment	5.9	5.8	5.9	.1	.0
Electrical industrial apparatus	3.4	3.3	3.3	.1	.1
Transportation equipment	20.8	21.0	20.6	- .3	.1
Nondurable Goods[f]	29.1	29.3	29.5	- .3	- .4
Food and kindred products	3.0	3.1	2.9	- .1	.1
Paper and allied products	5.8	5.9	6.0	- .1	- .1
Printing and publishing	8.7	8.9	9.0	- .1	- .2
Rubber and misc. plastics products	7.9	7.9	8.0	.0	.0
NONMANUFACTURING[g]	332.9	342.8	323.2	- 9.9	9.7
CONSTRUCTION	16.5	18.8	14.8	- 2.2	1.8
TRANSPORTATION AND PUBLIC UTILITIES	16.6	17.3	16.3	- .6	.3
Communication, electric, gas services	5.3	5.5	5.7	- .2	- .4
WHOLESALE TRADE	19.9	20.2	19.1	- .2	.8
Wholesale trade-durable goods	13.6	13.8	13.2	- .2	.4
RETAIL TRADE	79.5	84.0	77.3	- 4.5	2.2
General merchandise stores	11.9	13.2	12.0	- 1.3	- .2
FINANCE, INSURANCE, AND REAL ESTATE	18.0	18.2	17.7	- .2	.2
Banking	4.2	4.2	4.1	.0	.1
Credit agencies other than banks	4.8	4.7	4.9	.1	- .1
Insurance carriers	3.0	3.0	3.0	.0	.0
SERVICES	107.6	109.2	103.6	- 1.6	4.0
Business services	26.0	26.6	24.4	- .6	1.6
Health services	37.2	37.4	36.2	- .2	1.0
Hospitals	19.4	19.3	18.9	.0	.5
Educational services	8.2	9.0	8.4	- .8	- .2
GOVERNMENT	74.4	74.8	74.1	- .4	.4
Federal government	27.6	27.6	27.6	.0	.1
State government	7.2	7.3	7.3	- .1	- .1
State government education[h]	4.2	4.4	4.4	- .2	- .1
State government, except education	3.0	2.9	2.9	.1	.0
Local government	39.6	39.9	39.2	- .4	.4
Local government education	24.6	25.0	24.8	- .3	- .1
Local government, except education	14.9	15.0	14.4	.0	.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

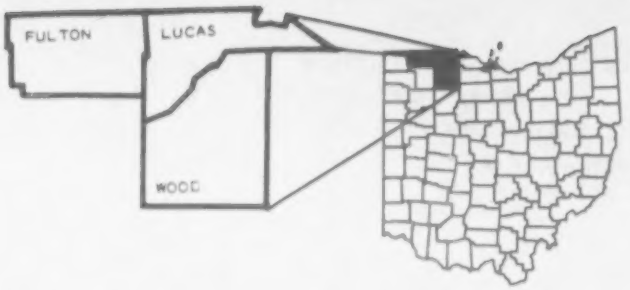
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$572.88	$574.98	$507.24	44.0	44.4	42.2	$13.02	$12.95	$12.02
Durable Goods[e]	585.20	583.40	513.57	44.3	44.5	42.2	13.21	13.11	12.17
Fabricated metal products	399.42	413.76	403.12	42.0	43.1	43.3	9.51	9.60	9.31
Machinery, except electrical	620.17	607.47	553.41	45.5	45.3	43.0	13.63	13.41	12.87
Metalworking machinery	592.05	602.88	551.30	47.1	48.0	45.3	12.57	12.56	12.17
General industrial machinery	508.56	564.06	436.48	44.3	47.6	41.1	11.48	11.85	10.62
Electric and electronic equipment	480.35	467.16	454.02	46.5	45.8	46.0	10.33	10.20	9.87
Electrical industrial apparatus	599.39	598.89	546.61	50.2	50.2	49.2	11.94	11.93	11.11
Transportation equipment	743.20	747.84	608.28	45.4	45.6	41.1	16.37	16.40	14.80
Nondurable Goods[f]	537.79	547.80	488.78	43.3	44.0	42.1	12.42	12.45	11.61
Food and kindred products	382.20	386.33	344.35	42.0	42.5	40.8	9.10	9.09	8.44
Paper and allied products	506.81	542.16	513.47	45.7	47.6	46.3	11.09	11.39	11.09
Printing and publishing	455.46	460.75	421.37	39.4	40.1	38.8	11.56	11.49	10.86
Rubber and misc. plastics products	737.37	738.89	611.48	44.5	44.7	41.4	16.57	16.53	14.77
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	546.06	548.40	538.00	39.8	40.0	40.0	13.72	13.71	13.45
WHOLESALE TRADE	401.18	408.03	409.94	39.8	40.2	39.8	10.08	10.15	10.30
RETAIL TRADE[h]	169.63	173.75	156.02	28.8	29.4	26.9	5.89	5.91	5.80
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	359.46	359.44	371.98	34.3	34.2	34.7	10.48	10.51	10.72

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	3,003	2,313	2,375
Active File of Job Seekers	12,098	10,797	19,360
Referrals to Jobs	1,349	923	853
Placements	263	261	165
Job Openings Received	727	469	559
Job Openings Unfilled	1,384	1,343	2,041
Unemployment Insurance Program			
Initial Claims	4,729	5,376	4,679
Continued Claims	32,052	23,262	34,438
First Payments	2,417	2,074	2,569
Last Payments	301	320	394
Weeks Compensated	22,845	20,043	27,932
Benefits Paid	$3,274,333	$2,846,918	$3,978,584
Average Weekly Payment	$148.30	$147.30	$145.59

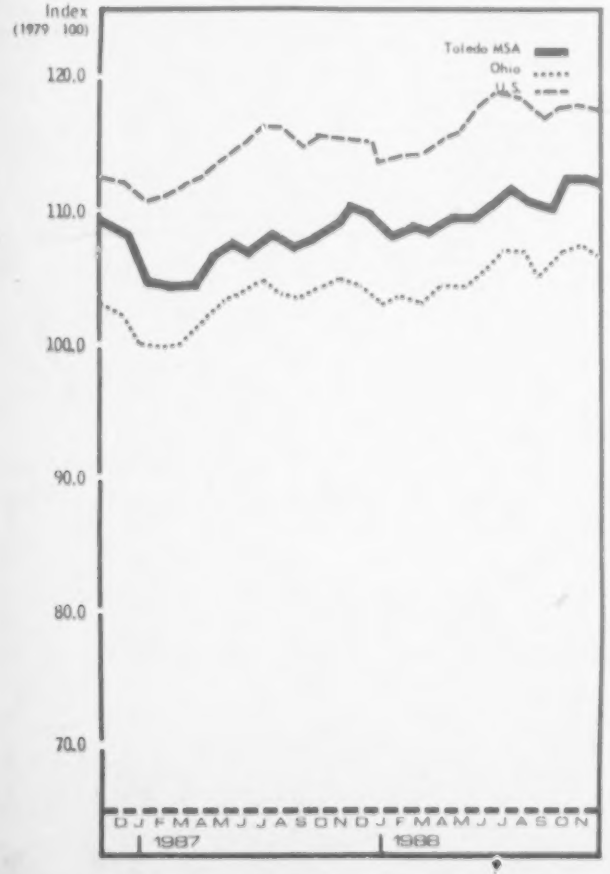
TOLEDO METROPOLITAN STATISTICAL AREA



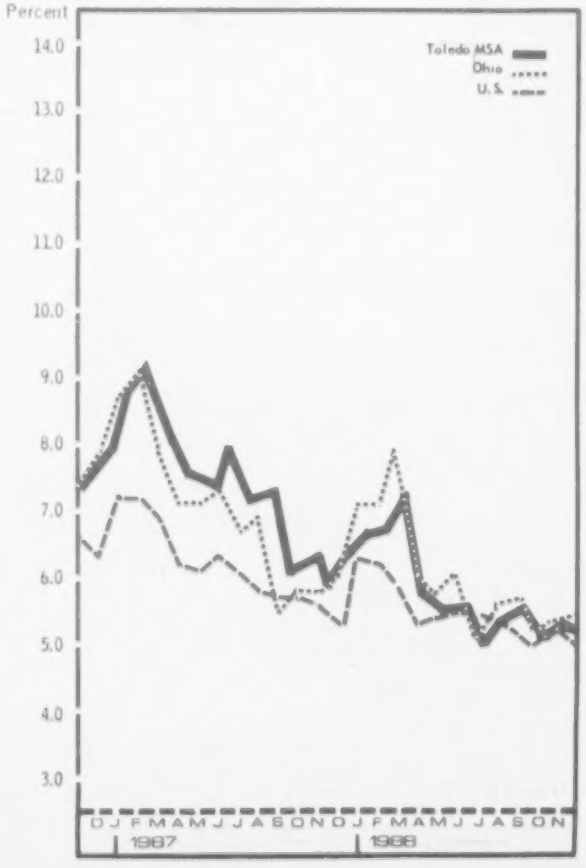
In the Toledo metropolitan area, nonagricultural payroll employment totaled 286,300 in January 1989, down 6,100 from December 1988. Nonmanufacturing employment declined 6,000 due to seasonal reductions in retail trade, services, and construction. Manufacturing employment was 100 lower at 62,200. Decreases in stone, clay, and glass products and primary metal industries offset a slight improvement in rubber and miscellaneous plastics products. Factory production worker average hourly earnings, at $13.27, dropped $.03 from December. Their average workweek of 43.7 hours was .6 hours shorter.

Total nonfarm wage and salary employment advanced 9,100 between January 1988 and January 1989. The improvement was concentrated in the nonmanufacturing sector. Noteworthy expansion occurred in retail trade, services, government, and construction. The manufacturing workforce increased 400. Modest growth was recorded in food and kindred products, primary metal industries, and fabricated metal products. Employment in stone, clay, and glass products, electric and electronic equipment, and transportation equipment declined.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

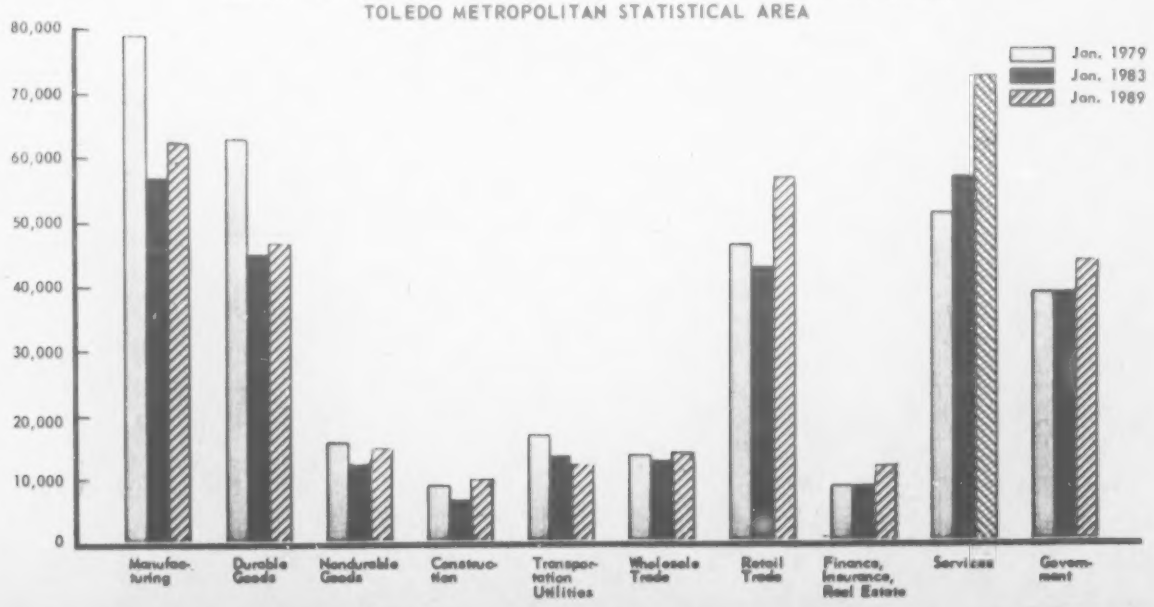


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
313.3	295.2	18.0	5.8	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1987						
313.2	293.4	19.8	6.3	December	285.9	63.1	45.0	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	277.2	61.9	44.5	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	276.1	61.2	43.8	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	279.4	61.7	44.2	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	282.4	61.9	44.3	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	285.5	63.5	45.7	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	283.1	63.1	45.2	543.93	42.1	12.92
314.1	297.2	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
312.7	295.0	17.7	5.6	September	289.5	63.6	45.8	586.49	44.6	13.15
317.0	300.8	16.2	5.1	October	291.3	62.8	45.0	585.64	44.4	13.19
318.0	301.0	17.0	5.3	November	294.5	62.6	44.9	605.69	45.1	13.43
316.5	300.0	16.5	5.2	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
INA	INA	INA	INA	January	286.3	62.2	44.5	579.90	43.7	13.27

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	286.3	292.4	277.2	- 6.1	9.1
MANUFACTURING	62.2	62.4	61.9	- .1	.4
Durable Goods[e]	47.1	47.3	47.2	- .3	- .2
Stone, clay, and glass products	7.5	7.5	7.8	- .1	- .3
Primary metal industries	3.6	3.7	3.4	- .1	.2
Fabricated metal products	7.3	7.3	7.1	.0	.2
Metal forgings and stampings	2.9	2.9	3.0	.0	- .1
Machinery, except electrical	6.0	6.0	5.9	.0	.1
Electric and electronic equipment	2.2	2.2	2.5	.0	- .3
Transportation equipment	15.7	15.7	16.0	.0	- .2
Motor vehicles and equipment	14.8	14.8	15.1	.0	- .4
Nondurable Goods[f]	15.2	15.0	14.6	.1	.5
Food and kindred products	4.1	4.2	3.7	.0	.4
Rubber and misc. plastics products	3.5	3.4	3.4	.1	.1
NONMANUFACTURING[g]	224.1	230.0	215.3	- 6.0	8.8
CONSTRUCTION	10.0	11.3	8.7	- 1.3	1.3
TRANSPORTATION AND PUBLIC UTILITIES	12.8	13.3	12.9	- .6	- .1
Trucking and warehousing	5.2	5.6	5.3	- .3	.0
Communication, electric, gas services	4.7	4.8	4.7	.0	.0
WHOLESALE TRADE	14.9	14.9	14.6	- .1	.2
Wholesale trade-durable goods	9.9	10.0	9.7	- .1	.2
RETAIL TRADE	56.8	59.5	54.1	- 2.7	2.7
General merchandise stores	8.9	9.7	8.4	- .9	.4
FINANCE, INSURANCE, AND REAL ESTATE	12.4	12.5	12.2	- .1	.2
Banking	3.8	3.8	3.7	.0	.1
SERVICES	72.7	74.3	70.1	- 1.5	2.6
Business services	15.4	15.9	14.5	- .4	.9
Health services	27.1	27.3	26.7	- .2	.4
Hospitals	14.9	15.0	15.0	- .1	- .1
GOVERNMENT	44.3	43.9	42.5	.4	1.8
State government	16.4	15.8	15.3	.6	1.1
State government education[i]	12.2	11.6	11.2	.5	1.0
State government, except education	4.2	4.2	4.1	.0	.2
Local government	25.3	25.5	24.6	- .2	.7
Local government education	14.9	15.1	14.4	- .2	.4
Local government, except education	10.4	10.4	10.2	.0	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

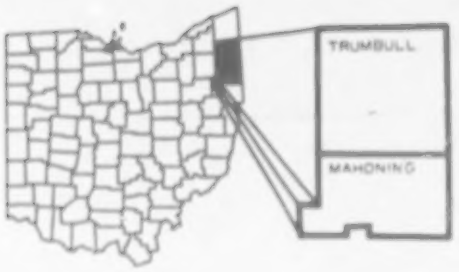
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$579.90	$589.19	$572.47	43.7	44.3	43.7	$13.27	$13.30	$13.10
Durable Goods[e]	605.49	614.21	597.52	44.1	44.8	44.0	13.73	13.71	13.58
Stone, clay, and glass products	495.20	519.62	510.94	38.9	40.5	40.2	12.73	12.83	12.71
Primary metal industries	527.85	514.83	483.75	46.1	45.2	43.0	11.45	11.39	11.25
Fabricated metal products	551.23	555.14	601.81	46.4	46.3	46.4	11.88	11.99	12.97
Metal forgings and stampings	693.09	703.95	769.20	45.9	46.1	48.9	15.10	15.27	15.73
Machinery, except electrical	527.56	537.56	520.80	43.6	44.5	43.4	12.10	12.08	12.00
Electric and electronic equipment	578.22	578.75	561.92	46.0	46.3	43.9	12.57	12.50	12.80
Transportation equipment	769.98	786.78	734.95	45.4	46.5	45.2	16.96	16.92	16.26
Motor vehicles and equipment	774.98	793.60	741.56	45.4	46.6	45.3	17.07	17.03	16.37
Nondurable Goods[f]	492.37	503.96	479.40	42.3	42.6	42.5	11.64	11.83	11.28
Food and kindred products	554.27	619.25	564.89	42.9	45.3	45.3	12.92	13.67	12.47
Rubber and misc. plastics products	374.33	354.90	347.33	41.5	40.7	41.3	9.02	8.72	8.41
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	586.49	586.30	598.01	40.7	41.0	41.1	14.41	14.30	14.55
WHOLESALE TRADE	384.74	389.47	370.37	39.1	39.5	38.5	9.84	9.86	9.62
RETAIL TRADE[h]	159.04	165.02	159.57	28.0	28.9	28.7	5.68	5.71	5.56

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	2,178	2,046	1,997
Active File of Job Seekers	17,984	16,456	17,188
Referrals to Jobs	1,034	1,056	797
Placements	372	401	239
Job Openings Received	463	417	411
Job Openings Unfilled	810	854	611
Unemployment Insurance Program			
Initial Claims	4,388	4,108	5,438
Continued Claims	27,788	19,822	28,104
First Payments	2,374	1,724	2,075
Last Payments	252	261	351
Weeks Compensated	20,538	16,925	21,706
Benefits Paid	$3,158,695	$2,523,288	$3,202,359
Average Weekly Payment	$160.19	$155.48	$150.97

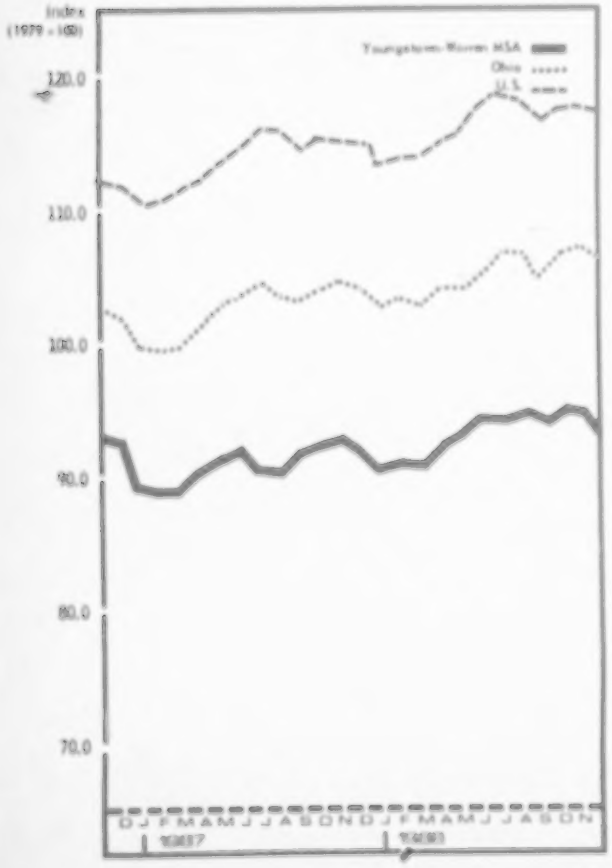
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



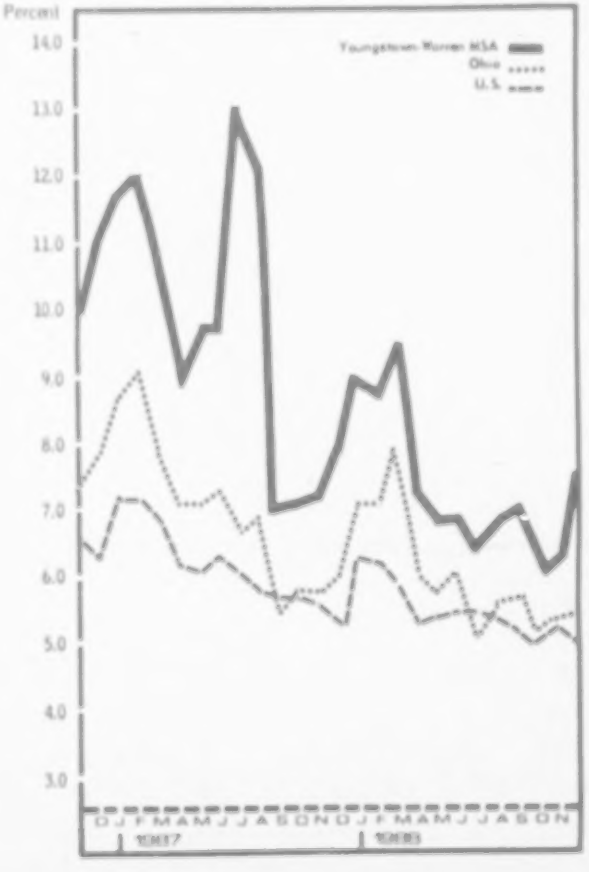
Nonagricultural payroll employment in the Youngstown-Warren metropolitan area totaled 193,800 in January 1989, down 3,000 from December 1988. Nonmanufacturing employment declined 4,200 with seasonal losses in retail trade and construction. The return of transportation equipment workers from a temporary model changeover shutdown raised manufacturing employment 1,300 to 51,100. Employment in nearly all other manufacturing industries declined. Factory production workers averaged $13.79 per hour, increasing $.13 from December. Their average workweek of 43.7 hours was .2 hours longer.

Nonfarm wage and salary employment advanced 6,500 between January 1988 and January 1989. Primary growth industries were services and retail trade. Gains were also noted in construction and wholesale trade. Manufacturing employment increased 1,700 over the year with improvements in primary metal industries, fabricated metal products, nonelectrical machinery, and transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



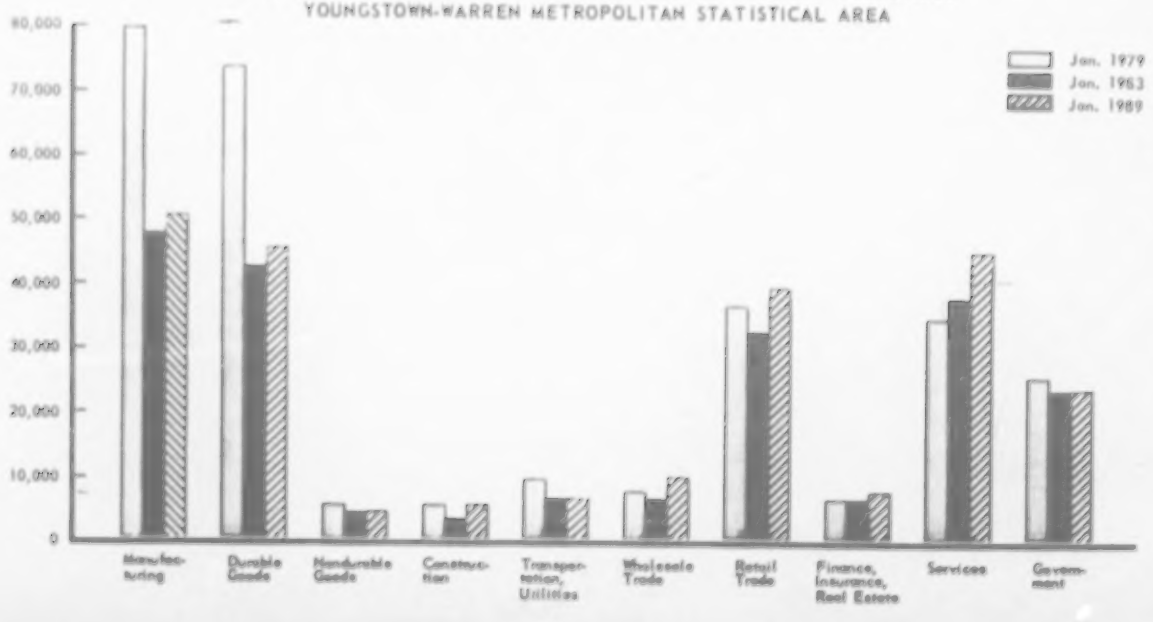
YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.2	205.0	16.3	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1987						
219.1	201.7	17.4	7.9	December	193.0	50.0	38.1	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.2	49.4	37.6	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.7	49.6	37.7	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.4	50.0	38.1	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.1	50.4	38.6	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58
223..	207.6	15.5	6.9	June	196.9	51.1	39.2	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	192.6	48.9	36.9	568.09	42.3	13.43
223.3	207.9	15.4	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
221.2	205.8	15.4	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
222.2	208.8	13.4	6.0	October	198.0	51.7	39.7	586.09	43.0	13.63
222.5	208.4	14.1	6.3	November	199.8	51.9	39.8	593.71	43.4	13.68
222.0	205.4	16.6	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
INA	INA	INA	INA	January	193.8	51.1	39.1	602.62	43.7	13.79

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1989[b]	December 1988[c]	January 1988[c]	From Last Month	From Last Year
TOTAL	193.8	196.7	187.2	- 3.0	6.5
MANUFACTURING	51.1	49.8	49.4	1.3	1.7
Durable Goods[e]	46.0	44.6	44.4	1.5	1.7
Primary metal industries	19.1	19.5	18.3	- .4	.8
Blast furnace and basic steel products	5.6	5.8	5.9	- .2	- .3
Fabricated metal products	7.5	7.6	7.2	- .1	.3
Machinery, except electrical	3.9	3.9	3.6	.0	.2
Electric and electronic equipment	2.4	2.4	2.4	.0	.0
Transportation equipment	9.9	8.0	9.7	1.9	.2
Nondurable Goods[f]	5.1	5.3	5.0	- .2	.1
NONMANUFACTURING[g]	142.7	146.9	137.9	- 4.2	4.8
CONSTRUCTION	6.4	7.5	5.8	- 1.1	.6
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.8	7.3	- .3	.2
Communication, electric, gas services	2.8	2.8	2.9	.0	- .1
WHOLESALE TRADE	10.3	10.5	9.7	- .2	.6
Wholesale trade-durable goods	6.7	6.7	6.3	.0	.4
RETAIL TRADE	39.8	41.3	38.7	- 1.5	1.1
General merchandise stores	5.3	5.7	5.5	- .5	- .2
FINANCE, INSURANCE, AND REAL ESTATE	8.2	8.3	8.1	.0	.1
Banking	2.7	2.8	2.8	.0	.0
SERVICES	45.4	45.7	43.2	- .4	2.1
Health services	20.6	20.8	20.0	- .2	.6
Hospitals	10.8	10.7	10.4	.0	.3
GOVERNMENT	24.4	25.0	24.3	- .6	.1
State government	4.1	4.6	4.0	- .6	.1
State government education[i]	2.6	3.1	2.5	- .6	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.2	18.2	18.3	.0	.0
Local government education	11.9	11.9	12.2	.0	- .2
Local government, except education	6.3	6.3	6.1	.0	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]	Jan. 1989[b]	Dec. 1988[c]	Jan. 1988[c]
MANUFACTURING	$602.62	$594.21	$557.61	43.7	43.5	41.8	$13.79	$13.66	$13.34
Durable Goods[e]	618.20	611.97	571.20	44.0	43.9	42.0	14.05	13.94	13.60
Primary metal industries	664.46	660.74	606.94	43.6	43.7	41.6	15.24	15.12	14.59
Blast furnace and basic steel products	662.75	643.57	604.78	43.9	46.3	44.6	13.73	13.90	13.56
Fabricated metal products	597.64	562.59	542.75	44.5	42.3	41.4	13.43	13.30	13.11
Machinery, except electrical	507.92	512.11	505.61	43.9	44.3	43.4	11.57	11.56	11.65
Electric and electronic equipment	448.67	442.86	462.87	39.6	39.4	41.7	11.33	11.24	11.10
Transportation equipment	682.74	700.63	627.88	46.1	47.5	42.8	14.81	14.75	14.67
Nondurable Goods[f]	423.31	406.36	406.36	40.2	39.3	39.3	10.53	10.34	10.34
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	568.03	559.40	537.77	40.2	40.1	39.6	14.13	13.95	13.58
WHOLESALE TRADE	368.16	377.06	345.92	39.0	39.4	37.6	9.44	9.57	9.20
RETAIL TRADE[h]	177.70	184.83	171.03	28.8	30.3	28.6	6.17	6.10	5.98

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	2,066	1,415	2,174
Active File of Job Seekers	15,382	14,487	15,946
Referrals to Jobs	1,123	796	1,633
Placements	259	238	419
Job Openings Received	519	330	576
Job Openings Unfilled	581	489	419
Unemployment Insurance Program			
Initial Claims	4,208	4,565	5,833
Continued Claims	25,949	24,409	26,119
First Payments	2,358	3,251	2,328
Last Payments	249	241	334
Weeks Compensated	19,243	20,312	22,765
Benefits Paid	$2,799,824	$3,199,354	$3,198,729
Average Weekly Payment	$150.23	$163.98	$144.01

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	January 1989	December 1988	January 1988
New Applicants	41,943	31,650	40,602
Active File of Job Seekers	252,036	232,223	278,099
Counseling Interviews	1,098	923	1,069
Tests Administered	1,652	1,048	6,835
General Aptitude Tests	102	76	543
Proficiency Tests	329	197	469
Specific Aptitude Tests	338	315	1,688
Referrals to Jobs	20,202	16,946	20,091
Placements	4,344	4,180	3,603
Job Openings Received	11,070	6,861	8,399
Job Openings Unfilled	19,179	17,520	16,301

Selected Unemployment Insurance Activities

	January 1989	December 1988	January 1988
Initial Claims	78,656	72,994	87,845
Continued Claims	510,882	371,296	549,700
First Payments	43,582	33,917	44,622
Last Payments	5,058	4,984	6,257*
Average Weekly Claimants	113,358	84,895	132,314
Average Weekly Benefit Recipients	90,229	69,005	101,593
Weeks Compensated	373,474	315,382	449,708
Benefits Paid	$57,196,981	$47,824,025	$67,287,861
Average Weekly Payment	$158.55	$157.22	$153.48
Continued Claims for Survey Week	115,460	87,702	133,318*
Insured Unemployment Rate	2.6	1.9	3.1
Net Contributions	$17,519,587	$5,205,627	$24,396,020
Active Employer Accounts	201,677	201,646	198,003

* Revised

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